

Experiment Two

Participant id: 10419414

Participant first, last name: PRATIK, SONAWALA

Block: Yellow

Please direct your browser to <http://sourceforge.net/>

Login name: xemplar

Password: exemplar2009

In the end of this experiment, please write your comments below this line

NOT SURE IF IT WAS TOOL
FAMILIARITY BUT THIS SEEMED
TO GO FASTER. IT COULD BE
BECAUSE PROJECTS LOT SIMILAR TO
WHAT I HAVE WORKED ON, THOUGH A
LOT MORE FALSE POSITIVES & NO SOURCE.
ATLEAST THE BUTTON GAVE SOME HOPES OF
SOURCE IN EXEMPLAR.

Task

Create an application that loads and parses HTML documents and creates a DOM tree. The application should traverse the tree, retrieving the values of the HTML attributes and elements en route. In addition, the application should enable users to create and modify HTML documents by changing the DOM tree directly.

Results

Please specify what keywords you used in your query:

DOM HTML manipulate

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3(mostly relevant), 2(most irrelevant), 1(compl irrelevant)	Your explanation of your ranking (a couple of sentences)
1	Webstencil	4 1	LOT SIMILARITIES TO WHAT WE NEED BUT NO SOURCE
2	VCard4J	3	HAS MANY COMPONENTS THAT WE NEED
3	JTidy	4	VERY GOOD MATCH
4	Jolene	4	ANOTHER GOOD MATCH

(5)

Domlet4j

1

fairly similar description
to Jolene
Nothing to download

8	Jivan	4	ANOTHER GOOD MATCH
8 7	Shani XML Parser	4	_____ _____
7 8	BayKit TagPrint	1	SOUNDED LIKE A GOOD MATCH WITH POSSIBILITY OF HANDLING DIFFERENT FORMATS. BUT NO CODE TO BE FOUND DUE TO NETWORK ISSUES.
8 9	HTML Strings	2	ONLY STRING MANIP. & NOT VERY HELPFUL INSIGHT INTO CODE
9 10	Taxcent	3	MIGHT BE AN OVERKILL FOR WHAT WE NEED
10			

Task

Find an application that uses JavaBeans which uses the bound indexed property to determine property change in this application bean. The application should display some text in its GUI.

Results

Please specify what keywords you used in your query:

BOUND INDEXED PROPERTY LISTENER ~~GUI~~

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3(mostly relevant), 2(most irrelevant), 1(compl irrelevant)	Your explanation of your ranking (a couple of sentences)
1	RadNet Listener	2 1	LISTENERS AVAILABLE, CAN LEVERAGE NETWORK CONN. BUT NO SOURCE.
2	LogView4J log4j Event Viewer JListeners	1	JAR IS AVAILABLE BUT NO SOURCE
3	Log4J Analyzer Swing Property Binding	1	NO SOURCE
4	Eclipse Listener Property Manager File GUI Editor Plugin	3	HAS DOES NOT HAVE THE EXACT PROPERTY LISTENER BUT HAS CODE THAT CAN BE USEFUL
5	Medialibrary		

5	Application Property Server	/	CANT GET TO CODE
6	Property Mapper Simple Java Ajax Message Listener		NOT WH DEALING WITH PROPERTIES
7	Listener Deco Ant Listener		NOT WHAT WE NEED
8 Event Driver	Render input format as SVG trees		NO FILES
9	Prof. Dog	X	CAN USE THE LISTENER, NOTIFIER, DISPLAY BUT IS AN OVERKILL NO SOURCE.
10	Java Property Objects		NOT RELEVANCE.

Task

Implement an application that performs pattern matching operations on a character sequences in the input text files. The application should support iterating through the found sequences that match the pattern. In addition, the application should support replacing every subsequence of the input sequence that matches the pattern with the given replacement string.

Results

Please specify what keywords you used in your query:

REGEX ~~PATTERN MATCH~~ SEARCH REPLACE

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3(mostly relevant), 2(most irrelevant), 1(compl irrelevant)	Your explanation of your ranking (a couple of sentences)
1	Reg Ex Search/ Replace Tool	1	No Source
2	FAR - Find And Replace	1	
3	Recursive Search and Replace	1	Can't get to source
4	Black Sun, Eclipse plugins	1	

5	mp3 flac ogg id3 file Rename: id3 mp3		
6	Onka		
7	Regex Creator		
8	JReplace		
9	farsi- (common)		
10	Res Bundle Edit		

Task

Implement a library similar to a synthesizer that supports generating sounds. These synthesizers should support different transmitters (i.e., sends midi events) and receivers (i.e., receives midi events and interprets them).

Results

Please specify what keywords you used in your query:

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3(mostly relevant), 2(most irrelevant), 1(compl irrelevant)	Your explanation of your ranking (a couple of sentences)
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Task

Implement a library for handling security permissions in a database. The library should support creation of permissions, retrieval and checking permissions by clients, setting system-wide security permissions, retrieval of security permissions with the specified key, adding and removing providers and clients for various permissions.

Results

Please specify what keywords you used in your query:

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3(mostly relevant), 2(most irrelevant), 1(compl irrelevant)	Your explanation of your ranking (a couple of sentences)
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Task

Implement a library for managing concurrent access to hash maps (i.e., the hash maps data structures should be simultaneously accessible by multiple client threads). The concurrent hash table map or table should support regular operations such as clear, contains, put, remove, replace, size, etc.

Results

Please specify what keywords you used in your query:

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3(mostly relevant), 2(most irrelevant), 1(compl irrelevant)	Your explanation of your ranking (a couple of sentences)
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Task

Load and execute Java threads from a folder containing classes. Load each class and execute it in its own thread. Keep information about the number of threads and how long to completion. Keep a pool of available threads to accommodate user inputted class names.

Results

Please specify what keywords you used in your query:

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3(mostly relevant), 2(most irrelevant), 1(compl irrelevant)	Your explanation of your ranking (a couple of sentences)
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Task

Java Virtual Machine (JVM) monitoring tool that allows users to view options in the virtual machine and to dynamically change options in the JVM.

Results

Please specify what keywords you used in your query:

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3(mostly relevant), 2(most irrelevant), 1(compl irrelevant)	Your explanation of your ranking (a couple of sentences)
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Experiment Three

Participant id:

10419414

Participant first, last name:

PRATIK, SONAWALA

Block: **Yellow**

Please direct your browser to http://www.xemplar.org/search/index_adv.jsp

In the end of this experiment, please write your comments below this line

-Twice my results changed-significantly-
despite no modification in Query.

- Due to tool familiarity, it was faster
this time. Could be known project
space also.

Task

Find applications that use glyph painting facilities to enable users to deal with a range of viewing options. The goal is to reuse found applications to create visual presentation of texts and fonts, some of which are foreign.

Results

Please specify what keywords you used in your query:

FOREIGN GLYPH TEXT FONT PRESENTATION

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3(mostly relevant), 2(most irrelevant), 1(compl irrelevant)	Your explanation of your ranking (a couple of sentences)
1	Waba for DOS	4	Uses fonts - that's about it
2	DoubleType	4	Has many components for font manip that can be re-used.
3	FontViewer	2	Just a viewer, could reuse some portion
4	Opcion Font Viewer	1	No Code

5	Font Sender	2	Might help with storage or handling of Font.
6	Tetris-like game to learn foreign words	4	Not very well structured code. NOT was it too relevant
7	McBilliards	2 1	Not what we need
8	DrawSWF	4	lot of components can be used.
9	ARANGAM 1.0 - Presentation Tool	2 1	No files
10	Retypar - image to ASCII Converter	3	Components could be very useful especially in visual presentation part.

Task

Create a lightweight virtual machine that supports data transfers using clipboard. Data transfer feature of this machine can be implemented with the help of sun GUI support.

Results

Please specify what keywords you used in your query:

virtual machine data transfer clipboard gui

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3(mostly relevant), 2(most irrelevant), 1(compl irrelevant)	Your explanation of your ranking (a couple of sentences)
1	IGloss	1	Not relevant app
2	Clipboard Share	4	Many components seem usable.
3	Adapt JTransplant	1	No Source
4	C# Java Virtual Machine	1	Not relevant

5	PastePro	1	No Source
6	The Java Virtual Machine	1	Can't reach source
8	JPlatform	1	Corrupt Source file
7	Java Wikipedia API	2 1	Could use some portions for cut-copy-paste temp storage NO Code
9	Lexi Java Word Processor	2	Could use some gui gui cut copy paste action
10	Green P HML JMemorize	1	Not relevant.

Task

Parse a Java source file and output the abstract syntax tree (AST). Allow the user to traverse and modify the AST with a graphical interface.

Results

Please specify what keywords you used in your query:

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3(mostly relevant), 2(most irrelevant), 1(compl irrelevant)	Your explanation of your ranking (a couple of sentences)
1	Maya in Java	2	Portions could be useful
2	Tree Editor for Java	1	No Source
3	Syndiff	1	NO Source
4	CodeSpanding	2	Not relevant project but could have code segments that are usable

5	Jawast	4	Most useful.
6	ASTcentric	1	No Source
7	AST Reproduce	1	No Source
8	Fast SDK	1	No Source
9	Tree form Syntax Tree Drawing Software	1	No Source
10	TreeDraw	1	Can't get to code. Also draws trees but AST → NO.

Task

Create a GUI application that shows data in dynamically modifiable tables that have scrollbars. These scrollbars can change their orientations in tables based on the number of rows and columns.

Results

Tabular report

Please specify what keywords you used in your query:

~~dynamic scrollable tables~~

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3(mostly relevant), 2(most irrelevant), 1(compl irrelevant)	Your explanation of your ranking (a couple of sentences)
1	the Report Matrix	1	No Source
2	Report Design tool for Eclipse	2	May have portions to use
3	Time Sheet Report Generator	2	
4	Jfred Report Designer for JFreeReport	4	

5	jCrostab		
6	PolePosition		
7	Report Rendering Engine		
8	Report Server		
9	CUTE Failure Report interface		
10	Java Report Library		

Task

Implement a library for checking XPath expressions. The checker should support compiling XPath expressions, evaluating XPath expressions in the context of the specified XML document and returning the results as the specified type.

Results

Please specify what keywords you used in your query:

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3(mostly relevant), 2(most irrelevant), 1(compl irrelevant)	Your explanation of your ranking (a couple of sentences)
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Task

Implement a simple drag and drop manager. The manager should specify when and how a drag gesture may occur and implement a set of handlers that shall be invoked in order to cause processing of the user's navigational gestures. The manager should also define and implement drag and drop protocol notifications. The drag and drop manager shall permit only one drag and drop operation at a time and shall reject any further drag and drop requests until the extant operation is complete.

Results

Please specify what keywords you used in your query:

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3(mostly relevant), 2(most irrelevant), 1(compl irrelevant)	Your explanation of your ranking (a couple of sentences)
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Task

Create a power status monitor that retrieves and reports external vs internal power status data, sits in system tray and change color based on status, and offer options to automatically start on system boot.

Results

Please specify what keywords you used in your query:

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3(mostly relevant), 2(most irrelevant), 1(compl irrelevant)	Your explanation of your ranking (a couple of sentences)
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Task

Implement a library that allows representing and manipulating glyphs as a standalone entities as well as vectors of glyphs (note: a glyph is the visual representation of one or more characters). The library should also provide basic functionality for obtaining basic metrics on glyphs, for instance, the distance from the glyph's origin to the origin of the next glyph along the baseline, which can be either vertical or horizontal. The library shall not include any functionality on interpreting the sequences of glyphs it contains. The relationships between adjacent glyphs in a sequence should be solely used to determine the placement of the glyphs in the visual coordinate space.

Results

Please specify what keywords you used in your query:

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3(mostly relevant), 2(most irrelevant), 1(compl irrelevant)	Your explanation of your ranking (a couple of sentences)
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Experiment One

Participant id: 10419414

Participant first, last name: PRATIK, SONAWALA

Block: **Yellow**

Please direct your browser to http://www.xemplar.org/search/index_new.jsp

In the end of this experiment, please write your comments below this line

Task

Create an application for sharing, viewing, and exploring large data sets that are encoded using MIME. The data sets may represent blogs or genome sequences. The data can be stored using key value pairs. The application should support retrieving data items by mapping keys to values.

Results

Please specify what keywords you used in your query: ~~TEXT SEARCH INDEX HIERARCHICAL~~

TEXT MIME ENCODING HIERARCHICAL INDEXED SEARCH

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3 (mostly relevant), 2 (most irrelevant), 1 (completely irrelevant)	Your explanation of your ranking (a couple of sentences)
1	ROOSTER.ORG	2	SEARCHING & INDEXING ARE THERE BUT NOT MUCH IN TERMS OF WHAT IS NEEDED
2	JDESKTOPSEARCH	1	NO SOURCE CODE AVAILABLE
3	YaTeC - Yet Another Text Coder	1	NO SOURCE CODE AVAILABLE
4	MEDIA LIBRARY	1	NO SOURCE CODE AVAILABLE

5	Recursive Search and Replace (Sand R)	1	No Source code AVAILABLE
6	MetaText	2	MIGHT HELP WITH ENCODING BUT NOT MUCH ELSE.
7	Jivan Web HTML Presentation Technology	2	GIVES HEIRARCHICAL STRUCTURE AND ABILITY TO MODIFY BUT NOT WHAT WE MIGHT NEED
8	Java Mime Magic Library	2	PARSING COMPONENT AVAILABLE FOR STRUCTURED TEXT. ONLY MIME SUPPORT
9	NVBase	1	CORRUPT ARCHIVE CANNOT OPEN
10	Better ASN	2	HELPS WITH ABSTRACTION THAT CAN BE USED WITH KEY-VALUE GENERATION

Task

Implement a library to support an affine transformation between vector spaces (i.e., affine vector spaces) using linear transformations (rotation, scaling or shear) and translations (shift).

Results

Please specify what keywords you used in your query:

Affine Transformⁿ using linear and translation

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3 (mostly relevant), 2 (most irrelevant), 1 (compl irrelevant)	Your explanation of your ranking (a couple of sentences)
1	Java CardioPulmonary Simulations	3	Seems to have translation, shearing, scaling
2	GeoServer	2	COULD NOT LOCATE SOURCE FILES BUT THE RESULTS SEEM TO REFLECT CODE THAT COULD BE USED
3	Open SVG Viewer	4	SEEMS TO HAVE A GOOD COLLECTION OF WHAT WE NEED
4	JvClifford	1	CODE FRAGMENTS NOT HAVING WHAT WE NEED

5	Context Fabric	4	
6	Soundwave	4	
7	BPS Graphics 2D	4	
8	Vyger Online RPG - a mmorpg w/ Java	3	LOT MORE EXAMPLES MAKE CONFIDENCE HIGHER
9	Tos CanaT	2	OPS AVAILABLE ARE VERY LIMITED
10	Waba For DOS	2	SOME OPS ARE AVAILABLE

Task

Develop a universal sound and voice system that allows users to talk, record audio, and play MIDI records. Users should be able to open source connections with each other and communicate. A GUI should enable users to save conversations and replay sounds.

Results

Please specify what keywords you used in your query:

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3(mostly relevant), 2(most irrelevant), 1(compl irrelevant)	Your explanation of your ranking (a couple of sentences)
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Task

Implement a library for representing and manipulating with BigDecimal numbers. A BigDecimal consists of an arbitrary precision integer unscaled value and a 32-bit integer scale. If zero or positive, the scale is the number of digits to the right of the decimal point. If negative, the unscaled value of the number is multiplied by ten to the power of the negation of the scale. The value of the number represented by the BigDecimal is therefore $(\text{unscaledValue} \times 10^{-\text{scale}})$.

Results

Please specify what keywords you used in your query:

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3(mostly relevant), 2(most irrelevant), 1(compl irrelevant)	Your explanation of your ranking (a couple of sentences)
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Task

Create an application for creating, opening, and manipulating *.zip files. The application should support opening *.zip files for reading, deleting after opening as well as adding new entries into existing *.zip files.

Results

Please specify what keywords you used in your query:

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3(mostly relevant), 2(most irrelevant), 1(compl irrelevant)	Your explanation of your ranking (a couple of sentences)
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Task

Create a framework that provides transactional support for CORBA-based applications. The framework should handle security and authentication, resource pooling, and database connectivity.

Results

Please specify what keywords you used in your query:

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3(mostly relevant), 2(most irrelevant), 1(compl irrelevant)	Your explanation of your ranking (a couple of sentences)
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Task

Implement a library for managing tooltips (A tooltip is a common graphical user interface element. It is used in conjunction with a cursor, usually a mouse pointer. The user hovers the cursor over an item, without clicking it, and a small "hover box" appears with supplementary information regarding the item being hovered over.). The Tool Tip Manager library should support operations for configuring how long it will take for the tool tips to become visible and for how long they hide.

Results

Please specify what keywords you used in your query:

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3(mostly relevant), 2(most irrelevant), 1(compl irrelevant)	Your explanation of your ranking (a couple of sentences)
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Task

Create an application feature that uses Secure Sockets Layer (SSL) with X509 certificates for authentication. It should signal when no more inbound network data will be sent to this application.

Results

Please specify what keywords you used in your query:

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3(mostly relevant), 2(most irrelevant), 1(compl irrelevant)	Your explanation of your ranking (a couple of sentences)
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Experiment One

Participant id: 1000793

Participant first, last name: Peter Rizk

Block: Yellow

Please direct your browser to http://www.xemplar.org/search/index_new.jsp

In the end of this experiment, please write your comments below this line

with proper keywords used, this search engine is very impressive in bringing back relevant code. However, it does not filter well the executables and non-code files. Overall, great for retrieving simple code snippets.

Task

Create an application for sharing, viewing, and exploring large data sets that are encoded using MIME. The data sets may represent blogs or genome sequences. The data can be stored using key value pairs. The application should support retrieving data items by mapping keys to values.

Results

Please specify what keywords you used in your query: Encoded data sets MIME

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3 (mostly relevant), 2 (most irrelevant), 1 (completely irrelevant)	Your explanation of your ranking (a couple of sentences)
1	CDOX	4	Project contained file Base64.Java used specifically to explore MIME type encoded data
2	JaxME	4	Contains same Base64.Java file from previous Project
3	EJoc	4	Project contained file: Javalution Adapter, Java. But could not be retrieved from download, only brought in unknown Project file type - TAR
4	Klatter Project	2 Test Base64.Java	file Test Base64.Java seemed completely relevant but was not contained in zip file

5	JVigilancia	2	Views data but not relevant to MIME. This is geared more towards visual data, i.e. webcam
6	BetterASAP	2	Personas encoding / view data but is not related to MIME
7	Jisue Tracker System	3 <i>CryptUtils, Java</i> <i>70 122</i>	CryptUtils. Base contains MIME type encryption into $F(K)$ but does not contain the view / edit $F(K)$ s
8	LDAP Enabled Application Framework	4 <i>Serialized, Alg, Java</i> <i>73 103</i>	Handles I/O Stream but does not support MIME type.
9	bMap4j	2	Controller Context. Java (127, 142) - Does not support MIME type. Supports retrieving data based on mapping key values,
10	WiSim - Business Game	3	WiSimDAOImpl. Java If Base64 encryption is same as MIME type then this is a 4 otherwise, it is useful for encoding data by mapping keys to values

Task

Implement a library to support an affine transformation between vector spaces (i.e., affine vector spaces) using linear transformations (rotation, scaling or shear) and translations (shift).

Results

Please specify what keywords you used in your query: *Affine transformation between vector spaces using rotation scaling shear shift*

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3(mostly relevant), 2(most irrelevant), 1(compl irrelevant)	Your explanation of your ranking (a couple of sentences)
1	Java Cartesian Simulation	4	PAffineTransform. Java contains functions needed to implement library
2	Geo Server	4	MockData: Java uses API Affine Transform that can be used to implement the library
3	Open SVG Viewer	4	Contains Affine Transform, Java as well as drawSVG. Java which together can create library
4	Super Image Resizer	1	Did not contain source files

5	Procedurally Generated Spaces	1	did not contain source files
6	Image Vision	2	DisplayPanel, Java - Trans $F(X)$ s ImageVision, Java - Scale $F(X)$ s - Performs Image Trans but does not contain all the required $F(X)$ s
7	Tascanat	3	Transition driver. Java Contains draw + calculate $F(X)$ s needed for library. Must be rewritten as a Java class
8	Vygen online RPG	1	Used for graphic enhancements by pixel analysis. does not have required code for our library $F(X)$ s.
9	Terna J	4	ImagePrinter, Java, UIUtils, Java excellent project for re-imaging vector spaces using most modern techniques
10	Global Circle	3	DragHandleGroup - Java contains only basic by later moves and not full set of functions needed for trans. A good portion can be be used for our library

Task

Develop a universal sound and voice system that allows users to talk, record audio, and play MIDI records. Users should be able to open source connections with each other and communicate. A GUI should enable users to save conversations and replay sounds.

Results

Please specify what keywords you used in your query: *Talk record play MIDI open Communication voice*

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3 (mostly relevant), 2 (most irrelevant), 1 (compl irrelevant)	Your explanation of your ranking (a couple of sentences)
1	VoxPop	1	No source files
2	K-Talk	1	No source files
3	Open IM	1	Does not have voice capabilities
4	Diction Trainer	1	Does not have voice cap.

5	Voice Message Manager	1	Download was file voice-1.0-Src.tar.bz2 → unable to open/read code file
6	MIDI Keyboard Coach	1	only had .exe file - no source code
7	Talk to the Nose	1	does not support voices, record or MIDI. It is exclusively an IM program
8	Java MIDI player	1	does not contain code files
9	JMidiTools	1	no code - only app.
10			

Task

Implement a library for representing and manipulating with BigDecimal numbers. A BigDecimal consists of an arbitrary precision integer unscaled value and a 32-bit integer scale. If zero or positive, the scale is the number of digits to the right of the decimal point. If negative, the unscaled value of the number is multiplied by ten to the power of the negation of the scale. The value of the number represented by the BigDecimal is therefore $(\text{unscaledValue} \times 10^{-\text{scale}})$.

Results

Please specify what keywords you used in your query:

Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3(mostly relevant), 2(most irrelevant), 1(compl irrelevant)	Your explanation of your ranking (a couple of sentences)
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Task

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Project number	Project title	Your relevancy ranking, one of: 4 (highly relevant), 3(mostly relevant), 2(most irrelevant), 1(compl irrelevant)	Your explanation of your ranking (a couple of sentences)
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Task

Create an application feature that uses Secure Sockets Layer (SSL) with X509 certificates for authentication. It should signal when no more inbound network data will be sent to this application.

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