

# Experiment Two

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Participant id:

debajyoti mahantra

Participant first, last name:

Debajyoti Mahantra.

Block: **Green**

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

→ Abstract class will have high ranking  
since API's are present & no implementation  
from

→ the find replace string tasks did return  
a lot of significant results because of method  
used in apache regex, but implementation was  
only using these API ~~no actual code~~, in all the  
significant results



# 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:

HTML parse DOM tree read attributes

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	Jivan Web HTML Presentation Technology	4	has everything in it
2	Shani XML Parser	3	Can use some code doesn't have modify part
3	ICE Protocol Reference Java code	3	has abstract class but very less implementation
4	CyberNeko HTML Parser	4	has robust code that can be used

5	Streaming XML DOM Event Processing	2	has few code we can use.
6	High HTML Generation Library.	5	
7	Baykit TagPrint	1	no file
8	FM Extract	1	no file
9	Bean L DOM	<u>1</u>	<del>passes</del> doesn't parse DOM HTML but other DOM
10	HTML Unit	2	Some can be used, but once again its using jar of other methods

# 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:

property change application bean track monitor

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	jzeeApp check	1	no files
2	Property magic	1	no files
3	LGOL User Group	1	password required for file
4	jethro	3	Some code can be used, But need to understand more in details. No code present
5			only pdf

	Application Property Server (APS)	1	no file
6	Change Manager	1	"
7	Baba Bear	1	"
8	Webmem Website monitor	1	"
9	Prop Com	1	"
10	Navel Java Bean In bro spection tool	1	"

# 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 input find replace iterate

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	Dynamic Aspects	4	has code in test that can be reused even though main app is not relevant.
2	Java Regex Plugin API	1	No code
3	Cinege a library system in java	2	some code can be used.
4	ifind replace	1	no full code

5	Mass File Wren	1	no code
6	nlp Fam	1	no code
7	Netos	2	can use some code, <del>no code</del>
8	Xuorble	2	Can use some code,
9	Mila Net Whiska	2	
10	New SQL	2	



# 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:

database view user permission administration security  
update role

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	Light weight Data object	1	
2	Tammi	1	no code
3	JFox-J2EE Application Server	3	
4	mx4j	3	

5	Java Swing Database Components	3	
6	SecSow	1	no file
7	Corba Tech	1	Not relevant
8	LALR Parser Generator	2	
9	Lucas no Component	4	
10	ODBC a saving base database client	② 2	Some code can be used

# Task

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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

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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

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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

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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

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Participant id:

debajyoti . mahanta.

Participant first, last name:

Debajyoti Mahanta

Block: **Green**

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# 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:

glyph text image generator

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	RIImgGen Random Image Generator	1	only one
2	Sign	2	Code is not relevant Some can be used to read image
3	Image thumbline Generator	1	no code
4	Ascii Gen	4	no file

5	Internal chat (Gintchat)	1	Associated files not in server.
6	turkey	1	not relevant
7	DrawSWF	4	
8	JHIdle	1	no file
9	SSfuture Image slide show Generator	2	Can use some parts
10	Batch text generator	1	no code

# 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 VM data clipboard Sun light

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	1 KVM. Net.	4	
2	Open Proj- Project Management.	4	<del>not</del> relevant
3	clip board Share	4	
4	Web a for DAS	2	

5	Secure Data Manager	1	
6	Somebody Risks	1	
7	HRDAQ Analyzer	4	
8	ER/Box	4	
9	LiCOMS	4	
10	Bistro	4	



# 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:

abstract syntax tree output generate edit AST

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	AST Reproduce	4	no xcode
2	ASTcentric	<del>4</del> 3	Some code can be used, not sure
3	JSP Tree	4	good relevant
4	PANTHER	4	not relevant

5	Bio Geo Tools Bio geography Tools	<u>1</u>	not relevant
6	TASSEL	<del>1</del> <u>1</u>	not relevant
7	Tree Editor for Java	<del>1</del> 1	no files
8	JMigration Plugins	1	no code can be used.
9	Java Decompiler	1	not relevant
10	TeaTime	1	no code can be used.

# 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

Please specify what keywords you used in your query:

dynamic table parse result set select read scrollbar

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	SQL Dev Companion	1	no code only jar
2	Table Diff	3	most code can be reused
3	Spewerider	2	not relevant. some code can be reused
4	Wsv JDBC driver for plain text	2	some code for UI can be used

5	Jafulite	4.	
6	Hibernate Dynamic Module	1	Not relevant
7	Argus Issue Tracking	3	
8	Java based online Tracking Syst	3	
9	NR Preference	2.	
10	STRUP	2.	

# 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:

x path    select node    XML result

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	Psyco Path	4	
2	Phone nix Information Extractor	3	
3	eclipse x path plugin	1	no fill
4	XML Unit	1	no direct use

5	fix in ant tasks	3	
6	xmlgen	3	
7	xml generate Query language. 3		
8	Xpath Explorer	4	
9	XML document from xpath & its doc	4	
10	min x path for J2ME 2		

# Task

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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

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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

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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

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Participant id:

debajyoti.mahanta.

Participant first, last name: Debajyoti Mahanta.

Block: **Green**

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

**Login name: xemplar**

**Password: exemplar2009**

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# 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:

MIME encoded parse read

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	Configuration	4	<del>passes</del> does XML parse not MIME.
2	EDI4J	4	passes EDI files
3	Protocol & File specification format	4	Does have MIME parse.
4	MIME Type detection utility	1	does everything

5	MIM-Dir & VCard Java API	2	
6	EDXML	4	no MIME parse
7	xml parser	4	no MIME parsing- parses XML
8	Java MIME Magic Library	1	This has no source code only class, <del>on</del>
9	URIO4J	1	no mime parser
10	JReelab JIM	1	no mime parser



# 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:

matrix vector translation linear transformation.

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	LinAlgo	3	has code which can be used. But doesn't have everything, Pretty good
2	DLinAlg	4	has code & all functionality
3	HTML Base Seru	1	
4	NA-Work Sheet	1	no files

5	WSML2 Reasoner	2,	Some code can be used.
6	Java Linear Algebra Library	3	Some code can be used.
7	MathLib3D	1	no code
8	Kylyly	1	not relevant
9	ATC VM model Transformation Language	1	not generic enough to be used
10	Linear Systems Matrix System.	1	no files

# 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:

Instant Message Voice Record

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	VoIM Jabber Tab Voice IM Client	4 <del>3</del> 8	Can use this code & Implement out of the box (Licensing issue) & <del>no</del> <del>recording</del>
2	im-dev	1	no file
3	UpJIM	2 3	Does connection but no voice.
4	VGetty Servlet	1	Doesn't record files & connect

5	xdb-Java	1	Doesn't do <del>as</del> what's required
6	Spanner	1	"
7	JClerm	1	"
8	ZIM Pro	2	Supports connect no voice
9	JXmpp	2	no voice support
10	SecureIM Instant Messag	1	no voice

# 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)
1	BigNumber	1	no executable only
2	iExigo	4	Does everything & API guide also given
3	Big Calculator	1	no java code
4	foret board editor	1	not related

5	SCALE	1	not relevant
6	Guitar Scale Assistant	1	not relevant
7	Scale Tracker	2	Can extract & use some code if analysed High effort required though
8	Scripting Inter-Operation protocol	1	not relevant
9	Seven Mock Mock objects	1	not relevant
10	Undo Redo	1	not relevant

# 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:

, zip read edit

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	JFile Content Manager	1	<del>can use same code</del> no code
2	Pre d.	1	no code
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# Task

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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

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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

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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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