

# Experiment Two

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Participant id:

Participant first, last name:

Venu Thiruvvedi

Block: Yellow

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Admiration, my

# 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 PARSER DOM editor

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	JTidy	3	Uses DOM parser, and editing HTML.
2	VTD-XML	2	Uses DOM API.
3	Shani XML Parser	3	Uses DOM interfaces.
4	TXE	2	Uses DOM parser.

5	Sparta	2	Uses DOM parser
6	CSS parser	1	uses the DOM parser
7	Java Mozilla HTML parser	1	
8	Java Micro XML Parser	1	
9	Jericho HTML Parser	3	Can be used to edit HTML documents using DOM and also parse the doc
10	Jivan Web HTML Presentation Technology	3	Uses DOM API to write dynamic content

# Task

→ by pass.

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:

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 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:

Pattern Matching and editing, regex pattern, files.

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	Pattern Sand box	2	uses regular expressions for pattern matching
2	Graph Spider/ MPL	2	Uses Reg exp API
3	XML Parse: XM2 stream parser API	1	
4	XML ez parse.	2	Can be used for pattern matching.

5	Elite	1	Pattern matching is used but it is a OOP language.
6	Search desktop	1	
7	jrexx	2	Matching Algorithms are used.
8	AI kernel	2	Pattern matching Algorithm.
9	Fsgrep	2	String search algo using pattern matching.
10	<div> <div> Recursive search  <del>Match</del>  <del>Replace</del>  <del>Regex</del> </div> <div>4</div> </div>		Exactly matches.



# Experiment Three

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Participant id:

Participant first, last name: *Venu*

Block: **Yellow**

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# Task

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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:

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			
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# Task

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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:

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			
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# 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:

Parse source file, GUI to modify, traverse, abstract syntax trees.

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	Taxast	3	Can be used for source file parsing and printing AST
2	<del>Java</del> Examine/IDE	2	May be used for parsing
3	JSEL	2	Useful in parsing
4	BNF for JAVA	2	Useful in parsing source file

5	OpenASM-1	2	Abstract Syntax Notation
6	Jrex Java Frame work	4	
7	Perl/Java	4	
8	Entrance/ The MySQL browser with check	4	
9	Quick 3d scanline renderer	1	
10	OS-0110	4	



# 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:

gui table adding rows columns dynamically

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	TableTag	2	sendses for table rows & columns.
2	Dataset library	2	can be reused. It has fixed number of columns & varying rows.
3	Table Diff	4	
4	Epdline PIDEMX	4	

5	XOM. XML Based Java GUI Environment	4	
6	Page layout managers for Java Swing	2	se usable API with grids, controls.
7	Record to Value Object	4	
8	HRDAG Analyzer	4	
9	3eHep	4	
10	CMaker	2	generates Java classes which are a mirror of SQL data and can be re used for the application.

# Experiment One

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Participant id:

Participant first, last name:

Venu Thiruveedhi

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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.

Note: In this project I ranked the queries.

## Results

Please specify what keywords you used in your query:

Encoding large data sets, MIME, mappings  
hash table.

Query: Encoding large  
data sets in MIME  
and ~~encoding~~ mappings  
using key  
value.

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	BIOLAP	3	It seems the project analyzes the large data sets and matches them based on the key values. But there is no encoding.
2	Webster Dos	2	This project has MIME Encoding.
3	Gnumler mapping framework	4	It is only a mapping tool that generates Hibernate XML mappings.
4	Java kiss	1	Completely irrelevant.

5	Crypty	1	doesn't match requirements.
6	Videoman	2	Has the key store and retrieval. API
7	malasio	2	Has Hash mapping.
8	JGum	1	Not relevant to the project.
9	epoline phoenix	2	Uses storage & Retrieval using key values.
10	Pure lava 23950 Tool kit	2	Uses storage and retrieval using Hash maps.

# 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:

Vector transformations and translations

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	Vector Visual 3D	3	Has the transformations included
2	Jazilla project	4	
3	Java cardio Pulmonary Simulation	2	Uses Affine transform but for different require ment.
4	XMage.	3	Has the API Affine Transform.

5	Jump Pilot project	3	Uses the Affinity transform APT and creates vectors
6	sp3 ISWing 2D fighting game.	2	Uses Affinity Transform and helps in understanding the API functions.
7	TTF Edit.	2	Uses the transform <del>for</del> <del>edit</del> for editing fonts.
8	DiDraw	3	Vector graphics are used and Affinity Transform is used
9	Vocabulary	4	
10	Waba for iOS	2	Uses Affine Transform API



# 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:

Audio Player recorder and communication tool Peer to peer communicator.

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	Xe noage player	3	can play music files and save them in MIDI format.
2	Hattosac Communicator	4	
3	ETH lecture Communicator	2	has communication API
4	Talking About Communicator	4	

5	MPlayer VI	2	Has the ability play and record.
6	Music and Audio Retrieval Tools	2	Has the ability to search for music and gives insight into handling music API is useful.
7	Ash cent P2 P Cam chat	2	Has the communication P2P protocol
8	Cesar	2	Has the API functions like MIDI Message.
9	Scriph	3	<del>Has</del> Has the API for midi files.
10	<del>as player</del> midi Quick fix	2	Has the API to access and edit MIDI files.

# 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:

*BigDecimal, Integer Manipulation.*

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	<i>Decimal Floating point Library</i>	<i>3</i>	
2	<i>Waba for Docs</i>	<i>1</i>	
3			
4			

5			
6			<p> <i>... ..</i>  <i>... ..</i>  <i>... ..</i> </p>
7			
8			<p> <i>... ..</i>  <i>... ..</i>  <i>... ..</i>  <i>... ..</i> </p>
9			<p> <i>... ..</i>  <i>... ..</i> </p>
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