

# Experiment Two

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Participant id:

Participant first, last name:

Gauri Shankar Malapaka.

Block: **Yellow**

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

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# 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 create modify dom tree

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	CSS Parser	1	It is a CSS parser and has an option of allowing users to incorporate CSS into their application.
2	3Tidy	2	Provides a DOM HTML parser as an addition which may be removed.
3	Jivam web HTML Technology	3	Reusable as it has HTML parser providing a DOM tree and ability to add dynamic content
4	StomixML parser	2	Basic. Parser for HTML & <del>XML</del> XML

5	Sparta Lean XML Parser	2	Basic XML Parser
6	rMagic	1	
7	IXMLEditor	3	Based on xerces parser. Has tree view, drag & drop.
8	dirxpath	1	
9	Beauldon	1	
10	Streaming XML DOM event processing	1	

# Task

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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)
1			
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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:

Regex character sequences text 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	Recursive Search and Replace	4	Matches all the above mentioned requirements.
2	Regex Creator	1	Helps in creating Regex from text to parse.
3	FAR Find and Replace	3	Has search and replace along with recursion and also multiple files.
4	Bysslog Agent	2	Has some regex features helps in finding character sequences.

5	Regular Expression Editor	1	Regex editor
6	Nasira	1	
7	Sequence Splitter	1	
8	Barjon utilizing IP method	1	
9	orta	2	Pattern reading from text files
10	Chapman	1	



# Experiment One

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Participant id:

Participant first, last name:

Gowri Shankar Halapaka.

Block: **Yellow**

Please direct your browser to [http://www.xemplar.org/search/index\\_new.jsp](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:

MIME, encoded, large sets of data, mapping keys & values

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	MIME decoding and genome sequences.
2	WABA for DOS	2	MIME decoding
3	demlyche.a DICOM implementation in JAVA	1	irrelevant
4	Mime-Dix and VCard Java API	2	Mime

5	Random Java utilities	4	
6	Mouse Faces	1	
7	Tornado O/R Mapping Engine	4	
8	Guptix ACM-1 kit	4	
9	JavaTime magic library.	2	Determining the TIME types.
10	Webmap service for net cat data.	1	

# Task

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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:

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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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:

32 bit arbitrary <sup>precision</sup> integer BigDecimal number

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	Ecalculator	3	It is used for scientific calculations and hence uses API calls needed for BigDecimal which can be used.
2	Retro translator	2	Some relevant manipulation code can be used.
3	jExigD	4	Can reuse all the api calls for the implementation of above description.
4	Waba for DOS	4	

5	ER/Box	1	
6	Metace	4	
7	The Aegis VM Project	2	Uses API's for BigDenial, move Port right and Move Port left
8	State Mapper	4	
9	StrawXML parser	4	
10	Beaus financial Manager	1	

# 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 files Maker

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	Zip Search tool	3	The project has API for reading the zip files.
2	INT Maha Backup	4	Has relevant API's for reading may be.
3	Backup with Zip	3	Has a zip manager class which allows to create zip files and also unzip.
4	Web data zip stream decompress	3	Has relevant API's for compression and decompression.

5	BeoZip	4	Highly relevant API's used according to description.
6	Zipdiff	2	Has the ability to compare Zip's hence read the contents.
7	Waba for DOS	1	Turns up in every search though highly irrelevant.
8	M-Archiver	3	Has the ability for creation and read Zip files
9	Jiz	3	Archiver for zip files format.
10	CBViewer	2	