408-P DATA MINING LAB

Lab Exercises List

1) Briefly describe about Data mining Tool WEKA?

2) Perform the basic pre-processing operations on data relation such as removing an attribute and filter attribute bank data

3) To predict the Numerical Values in the given Data Set is using Regression Methods.

4) To predict the most probable class "Student" buycomputer on each instance based on training set using Baye's Theorem

5) To predict, calculate and interpret the output using K Nearest Neighbour in classification and regression

6) To predict the result from a given dataset using Decision Tree J48 algorithm

7) To classify the data with Neural Network Algorithm using Multilayer Perceptron.

8) To predict with the smallest total error using rules based on One attribute

9) To build perfect rules that generates only correct instances using PRISM algorithm

10) To understand the theoretical aspects and build a hierarchy of clusters usinghierarchical clustering techniques

11) To Demonstrate Clustering features in Large Databases with noise

12) Demonstration of clustering rule process by using simple k-means algorithm

13) Generate association rules using Apriori algorithm with **Bank.arff** relation

   a) Set minimum support range as **20% -100%** incremental decrease factor as **5%** and confidence factor as **80%** and generate **5** rules.

   b) Set minimum support as **10%**, delta **5%**, minimum average(4ft) as **150%** and generate **4** rules.

14) Generate association rule for the credit card promotion dataset using a priory algorithm with the support range 40% to 100% confidence as 10% incremental decrease as 5% and generate 6 rules

408 P – System Programming Lab List

Java based Simulations to Implement System Programming Concepts

1. Design and develop a software in Java to simulate ls command in UNIX with options like –l,-t,-P,-R   your program should be interactive to prompt options (use command line arguments.)

2. Design and develop a Software in Java to Simulate grep Command in Unix with options
   a) to print lines matching patterns in file
   b) Line number in file matching the pattern
   c)no. of times the pattern is present in file.

3. Design and develop a Software in Java Program to simulate menu driven program for commands
   a) Head   b) Tail   c) diff   d) comm.

4. Design and develop a Software in Java Program to simulate 2 Pass Assembler in java

5. Design and develop a Software in Java Program to simulate 2 Pass Macro Processor in java

6. Design and develop a Software in Java Program to simulate Absolute Loader in java

7. Design and develop a Software in Java Program to simulate Lexical Analyzer of Compiler in java

Linux Record Programs

1. **Write a shell script to perform operations like display directory, list directory, make directory and copy file, rename file, delete file, edit file.**

2. **Write a Shell Script**
   a. count the characters, count the lines and the words in a particular file
   b. Shell Script to delete the zero sized file
   c. Find out the sum of the given numbers using command line argument.
   d. shell script to perform string replacement in a file and view the content of file.

3. **Write a shell script to perform database operations for student data like view, add and delete records and view database.**

4. **Write a shell script for generation of design patterns**

5. **Write a shell Script to**
   a. find the position of substring in given string in Linux
   b. To check whether a given string is palindrome

6. **Write a shell script to Generate Fibonacci sequence with iterative and Recursive Methods in Linux**

7. **Write a shell script to sort the given numbers using Bubble Sort in Linux**

8. **Write a shell script to sort the given numbers using Merge sort in Linux**

9. **Write a shell script to sort the given numbers using Quick sort in Linux**

10. **Write a shell script to sort the given numbers using INSERTION SORT in Linux**

11. **Write a shell script to Implement Binary Search Using Shell Programming in Linux**

12. **Write a shell script to Implement Linear Search Using Shell Programming in Linux**

Web Programming Lab List

1. Design a webpage which demonstrate the concept of Frames in XHTML

2. Design a webpage which demonstrate the concept of simple and complex tables in XHTML

3. Design a webpage which demonstrate the concept of Internal Linking(Link to jump with in Same Document) and External Linking(Link to jump in a different window or tab), Image as link(Click on image open a web document in a same window or different window or tab) in XHTML

4. Design a Webpage for Different types of menus using External CSS
   (a). Horizontal (b). Vertical (c). Drop-Down

5. Design Login Form using HTML and CSS

6. Design Registration Form using HTML and CSS

7. Design and develop a MENU driven program in JScript for
   (a). Prime Check (b). Perfect Number check

8. Design and develop a program in JScript for
   (a). Palindrome Check   (b). Odd or Even Check

9. Design and develop a Jscript Program to print Denomination for given amount **(if amount is 49300, number of two thousands are 24 and number of five hundred(s) 1 and number of two hundred(s) are 1 and number of hundred(s) 1)**

10. Design and develop a Jscript program which demonstrate types of searching mechanisms
    (a). Linear   (b). Binary

11. Design and develop a JScript which demonstrate to perform sorting on arrays using JScript

12. Design and develop a JScript program which demonstrate Java Script String Object and its Methods

13. Design and develop a JScript program which demonstrate Math Object and its Methods

14. Design and develop a JScript program which demonstrate Date Object and its Methods

15. Design and develop a JScript program which demonstrate Window Object

16. Design a webpage which demonstrate JQuery Animation Method

17. Design a webpage which demonstrate JQuery Events

18. Design case study on Ajax Objects and Libraries with own example

19. Design and develop simple webpage for Online Quiz using XHTML forms with JScript

20. Design a simple webpage for php Arrays

21. Design a simple webpage for php Functions

22. Design a simple webpage for php Control Structures

23. Design Login Form with Database Connectivity using php with Mysql

24. Design a webpage which displays all records from mysql server using php

25. Design and develop a java program to Connect with Oracle using JDBC - ODBC Bridge Driver for below operation

       (a). Insert   (b). Update (c). Alter   (d). Delete

26. Design and develop a java program to connect with Oracle using (Type – IV) Thin Driver

27. Case Study on Design and Deployment of simple Hello World Application using Servlets and its related structures

28. Case Study on Design and Deployment of Design a simple Hello World Application using JSP and its related Structures

29. Design own Case Study on Implementation of ZEND frame work in real time scenario

30. Design a simple Dice Game (Using JScript or PHP)