



SCHOOL OF COMPUTER SCIENCE AND ENGINEERING
Winter Semester 2021
Lab Experiments

Course : B.Tech - CSE
Subject : Java Programming
Faculty : J.Jabanjalin Hilda

Slot : L23+L24
Subject Code : CSE1007
Marks : 10 Marks

List of Programs

Exp.No	Program Description	Date
1	(a) Find BMI of a person by getting weight and height in kg and cm respectively from user. [Formula BMI = kg/m ²] (b) Check if a given number is odd or even number [using if statement as well as switch case] (c) Print the sum of first n numbers. If N is 3 then print the sum of 1+2+3 to the user. Get n from the user (d) Program to find the fibonacci series (e) Program to find the prime number in a given range	4 th Feb 2021
2	Print the following patterns by finding the table values of stars and spaces.[Any three patterns only] a. * ** *** b. *** ** * c. * * ** **	11 th Feb 2021

	<p>***** ** ** * *</p> <p>d.</p> <p>***** ** ** * * ** ** *****</p>	
3.	HCF and LCM of given numbers.	11 th Feb 2021
4.	<p>Ask the user to enter the marks of a student in the below order. Maths, M Physics, P Chemistry, C English, E Computer Science, CS And calculate the metrics according to the below table. Metric Formula Overall Average (OA) Sum of all the marks / total number of subjects Engineering Average (EA) Sum of (M * 2), P and C / 4 Computer Science Average (CSA) CS Print the output according to the below table Case Output If OA > 75 and EA > CSA Probable Mech, Civil, EEE, ECE candidate If OA > 75 and CSA > EA Probable CSE, IT, IS candidate If OA < 75 and CSA > EA Probable BCA candidate If OA < 75 and CSA > EA Probable BSc candidate</p>	11 th Feb 2021
5.	<p>a) Sorting of n numbers (use any one sorting algorithm)</p> <p>b) Searching of a number in an array. (use any one searching algorithm)</p> <p>c) To find and remove the duplicate elements in an array.</p>	18 th Feb 2021

	<p>d) Find the 2nd largest and 2nd smallest element in an array. (Sorting must not be used).</p> <p>e) Arrange the elements in an array such that the even numbers in the array are placed in the beginning of the array in ascending order and the odd numbers in the array are arranged in descending order at the end of the array.</p> <p>f) Check if a given input matrix from a user is an identity matrix</p> <p>g) Matrix manipulation like multiplication.</p> <p>h) Display the addition of two matrices</p>	
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- Every Program must have proper description, Code(typed) , snapshot of code and Output Screenshot(with RegisterNumber)
- Consolidate the programs and upload a single pdf in VTop for Lab Assessment 1 on or before 25-02-2021
- Note: Merged filename should be ProgDesc_ RegNo