

W e b E n g i n e e r i n g

Lab 01

Marks 100

Instructions

Work on this lab individually.

You can use your books, notes, handouts etc. but you are not allowed to borrow anything from your peer student.

Objectives

Today's lab will help you to learn basic programming concepts in Java.

Submission

Not Required.

What you have to do

Program the following tasks in Java, compile and execute them. The name of your files should be according to the task given in this lab.

Task 1

[25]

Write a Java program that will ask an integer input n ($1 \leq n \leq 10$), and print n rows of the given pattern as depicted in the following:

Sample Input	Sample Output
Enter number of rows: 5	<pre> 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 </pre>

Task 2

[25]

Write a Java program to find the number of even and odd integers in a given array.

Sample Program
<pre> Original Array: [5, 7, 2, 4, 9] Count of even numbers : 2 Count of odd numbers : 3 </pre>

Task 3

[25]

Write a Java program that takes two positive numbers from the user and output their sum. This process should be repeated until user enter -1.

Remember, you need to run this operation by creating an object and making a call to its appropriate method(s). Your program should display the number of times, the operation is performed.

Sample Program
<pre> Enter Number 1: 10 Enter Number 2: 20 Sum is 30 Operation performed 1 time Enter Number 1: 15 Enter Number 2: 15 Sum is 30 Operation Performed 2 times Enter Number 1: -1 </pre>

Task 4**[25]**

Take a number **n** as input from user through command line argument. Make a function for printing first **n** Fibonacci numbers.

Sample Program

Enter a number

6

Fibonacci Series:

0 1 1 2 3 5 8

😊😊😊 **BEST OF LUCK** 😊😊😊
