UNMESHANAM

JavaScript

PROBLEM SHEET

Day 1 & 2

DEBADYUTI KARMAKAR

1. *Print your name, class roll.*
2. *Print your name, class roll separate line.*
3. *Print your name, class roll separate by tab*
4. *Add two numbers*
5. *Calculate Multiplication division subtraction*
6. *Calculate remainder .*
7. *Swap two numbers using 3rd variable.*
8. *Swap two numbers without using 3rd variable.*
9. *Area Of Circle C Program*
10. *Write a program check a person is eligible for vote or not.*
11. *Write a JS program to find maximum between two numbers.*
12. *Write a JS program to find maximum between three numbers.*
13. *Write a JS program to check whether a number is negative, positive or zero.*
14. *Write a JS program to check whether a number is divisible by 5 and 11 or not.*
15. *Write a JS program to check whether a number is even or odd.*
16. *Grading System*

    1. You are given as input marks of a student.

    2. Display an appropriate message based on the following rules:

        2.1 for marks above 90, print excellent.

        2.2 for marks above 80 and less than equal to 90, print good.

        2.3 for marks above 70 and less than equal to 80, print fair.

2.4 for marks above 60 and less than equal to 70, print meets expectations.

2.5 for marks less than equal to 60, print below par.

17. *Print your name 5 times using while loop.*
18. *Print 1 to 5 using while loop.*
19. *Calculate sum of n numbers using while loop.*
20. *Calculate sum of m to n numbers using while loop.*
21. *Calculate factorial of a number using while loop.*
22. *Print your name 5 times using for loop.*
23. *Print 1 to 5 using for loop.*
24. *Calculate sum of n numbers using for loop.*
25. *Calculate sum of m to n numbers using for loop.*
26. *Calculate factorial of a number using for loop*
27. *Count digits .* *Input- 369*
    Output - 3 *Input- 78523*
    Output - 5
28. *Print reverse*
    Input- 5698
    Output- *8*
    9
    6
    5
29. *Reverse Number.* *Input - 5698*
    Output - 8965
30. *Digit of a number* *Input - 9827*
    Output
    9
    8

2

7

31. *Check a number is prime or not*
32. *Check a number is Armstrong or not*
33. *Check a number is palindrome or not*
34. *Print fibonacci series*
35. *Calculate GCD & LCM*
36. *Pythagorean Triplet* *Problem Discussion :*
    1. *You are required to check if a given set of numbers is a valid Pythagorean triplet.*
    2. *Take as input three numbers a, b and c.*
    3. *Print true if they can form a Pythagorean triplet and false otherwise.*

*A **Pythagorean triplet** consists of three positive integers a, b, and c, such that a2 + b2 = c2. A triangle whose sides form a Pythagorean triple is called a **Pythagorean triangle** and is necessarily a right triangle.*

37. *Calculate the sum of digit of a number.*
    - *37.1.1. Ex- n=5652*
    - *37.1.2. Output 5+6+5+2 = 18*