



Department of Computer Science

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Course: M.Sc. CA&IT – 2 (NEP) and BS CS-2

Subject: WDP-2

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Assignment ID: WDP2ASEMMSC21

Instructions:

- Execute the following Programs in **Notepad++** (or in Replit (<https://replit.com/>) if you don't have a laptop or a system)
- Both **final proper runnable code** and **output** must be written in the **Practical Notebook**.

1. Write a JavaScript program to display "Hello World" using an alert dialog box.
2. Write a JavaScript program to display the text entered in a text field (HTML UI) when a button is clicked.
3. Write a JavaScript program that uses a prompt dialog to accept the user's name, asks for confirmation using a confirmation dialog, and displays the result using an alert dialog.
4. Write a JavaScript program to accept a number from a text field and determine whether the number is even or odd on button click.
5. Write a JavaScript program to create a simple calculator that performs addition, subtraction, multiplication, division and modulo using two input fields and buttons. Make separate Buttons for addition, subtraction, multiplication, division, and modulo and with all logic written directly inside the <script> tag (without using functions).
6. Write a JavaScript program to create a simple calculator that performs addition, subtraction, multiplication, division, and modulo operations using two input fields and separate buttons, using a separate function for each operation.
7. Write a JavaScript program to accept the three sides of a triangle from input fields and, on button click, display what type of triangle it is (Scalene, Equilateral, or Right-angled).
 - a. If output is "Scalene", then give "purple text colour" to the "Scalene".
 - b. If output is "Equilateral", then give "green text colour" to the "Equilateral".
 - c. If output is "Right-angled", then give "orange text colour" to the "Right-angled".
8. Write a JavaScript program to accept the radius of a circle from an input field and calculate the area and circumference on button click.
9. Write a JavaScript program to accept three numbers from input fields and find the largest and second largest number.
10. Write a JavaScript program to accept Name, Roll Number, and marks of Maths, English, Science, Hindi, SST, and Computer from text fields, calculate the total, percentage, and grade, display Pass or Fail (Fail if percentage is below 33%), apply red background for Fail, green background for Pass, and yellow background if the percentage is above 90%.

