**JavaScript Assignment 5 A**

Learn the following

The Document Object Model, Object-oriented language, HTML Element, Variables, Operators, Functions, Conditional statements, Looping statements

String object – Properties, Methods, Usage

Array object - Methods, Usage

Date object - Methods, Usage

Math object- Properties, Methods, Usage

1. Write a program to print the pattern

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1. Write a JavaScript to find factorial of a number. Use prompt to enter the number, pass that to a function which computes the factorial and Use console.log and Alert to display the output.
2. Use JavaScript to capitalize the first letter of all the words in a sentence
3. Create a program that takes temperature value and categorizes it :
   1. Below 0 : “Freezing”
   2. O to 15 “: “Cold”
   3. 16 to 30 : Moderate
   4. Above 30 : Hot
4. Write a JavaScript program to calculate number of days left unit next new year.

 Note: define a new object Date (2022,1,1);

1. Also print the current date in the following format

Today’s date is : 17 March 2025

1. Write JavaScript programs to find the index of locate from this string.

"Please locate where 'locate' occurs!";

1. Print random numbers between 1 and 10. Print the Fibonacci numbers below that number.
2. Write a JavaScript function to find the highest value in an array.
3. Create a JavaScript object with the following properties

Title, author, cost

* 1. Display the books whose cost is > 500
  2. Display the name of the Book whose Author is “Mahatma Gandhi”