ASSIGNMENT -1

Assignment objectives:-

1. Variables
2. Operators
3. Methods
4. Implement If conditions
5. Implement Loops
6. Implement Switch Cases

1. Create a class **Day1**, create a method by name **greatestofthree()**
   Accept 3 numbers from user dynamically

   Expected output: "**the greatest among 100 and 50 is 100**"

2. In above class create a method by name **empdetails**

   Accept empname, basic salary from the user and calculate the following
   a. HRA 15% of basic salary
   b. DA 10% of basic salary
   c. TAX 8% of gross
   d. GROSSPAY = BASIC + DA + HRA

   Print HRA , DA , TAX & GROSSPAY along with empname and Basic salary

3. Create a function by name "**Factorial**"
   a. Develop a code to find the factorial of a number
   b. If the user does not enter any value, find factorial of 5 by default

4. Create a function by name "**Sumof10Nums**"
   a. Develop a code to find the sum of 10 numbers, the loop has to break immediately if the user enters negative value. Display appropriate message after breaking the loop.

5. Create a function by name **Swapnums**
   a. Develop a code to swap two numbers
   b. Develop a code to swap two numbers without using temporary variable

6. Create a function by name **copystring.** Accept two strings from the user , copy both the strings into the new string and print new string in output window

7. Create a function by name **divnums**. Write a program to display the reminder and quotient after dividing the first number by second.

8. Create a function by name **printnames**. Develop a code to accept number and name from the user using console.readline()
   Print the name in console window as much as time the given number
   Eg:
   If user enters 3, then display your name for 3 times

Note :

- From the Main program access each function using switch case
- If the user enters invalid number execute default case
- Develop a code block "Do while" loop contains above switch case
- Accept "Y" or "N" if the user want to continue loop(repeat the switch block)