**Assignment Session [03]**

1. Write a program that allows the user to enter a number then print it.
2. Write C# program that converts a string to an integer, but the string contains non-numeric characters. And mention what will happen
3. Write C# program that Perform a simple arithmetic operation with floating-point numbers And mention what will happen
4. Write C# program that Extract a substring from a given string.
5. Write C# program that Assigning one value type variable to another and modifying the value of one variable and mention what will happen
6. Write C# program that Assigning one reference type variable to another and modifying the object through one variable and mention what will happen
7. Write C# program that take two string variables and print them as one variable
8. Write a program that calculates the simple interest given the principal amount, rate of interest, and time.

Note : The formula for simple interest is Interest = (principal \* rate \* time ) /100.

1. Write a program that calculates the Body Mass Index (BMI) given a person's weight in kilograms and height in meters.

Note :The formula for BMI is BMI = (Weight)/(Height\*Height)

1. Write a program that uses the ternary operator to check if the temperature is too hot, too cold, or just good. Assign the result in a variable then display the result.

Note :

1. that below 10 degrees is "Just Cold"
2. above 30 degrees is "Just Hot"
3. anything else is "Just Good"

11.Write a program that takes the date from the user and displays it in various formats using string interpolation.

Ex :

Today’s date : 20 , 11 , 2001

Today's date : 20 / 11 / 2001

Today's date : 20 – 11 – 2001

12- Write a program that takes a number from the user then print yes if that number can be divided by 3 and 4 otherwise print no.

Example (1)

Input: 12

Output: Yes

Example (2)

Input: 9

Output: No

13- Write a program that allows the user to insert an integer then print negative if it is negative number otherwise print positive.

Example (1)

Input: -5

Output: negative

Example (2)

Input: 10

Output: positive

14- Write a program that takes 3 integers from the user then prints the max element and the min element.

Example (1)

Input:7,8,5

Output:

max element = 8

min element = 5

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Example (2)

Input: 3 6 9

Outputs:

Max element = 9

Min element = 3

15- Write a program that allows the user to insert an integer number then check If a number is even or odd.

16- Write a program that takes character from the user then if it is a vowel chars (a,e,I,o,u) then print (vowel) otherwise print (consonant).

Example (1)

Input: O

Output: vowel

Example (2)

Input: b

Output: Consonant

17- Write a program to input the month number and print the number of days in that month.

Example

Input: Month Number: 1

Output: Days in Month: 31