

FUNCTIONS - 1

Use Pass by Value Method

1. Write a function to calculate square a number
— $y = x * x$
2. Write a function to convert temperature given in degree Fahrenheit to degree Celsius
— $C = 5/9 * (F - 32)$
3. Write a program to check if a given number is even or odd. Function should return TRUE or FALSE

Use Pass by Reference Method

4. Write a program to find the square and cube of a number
5. Write a program to swap two numbers
6. Write a program to find the sum and product of 2 numbers
7. Write a program to find the square of a number
8. Write a program to find the average of 5 array elements using function
9. Write a program to square each element of array which has 5 elements

Write Recursive functions

10. Write a program to find the sum of sequence of N numbers starting from 1
11. Write a program to find x raise to the power of y (x^y)
Example : $2^3 = 8$
12. Write a program to find the sum of digits of a given number
— Example : if given number is 10392, the sum of digits will be $1+0+3+9+2 = 15$