

**WORLD MISSION HIGH SCHOOL**

Trade: Networking

Class: Level 3 NIT

Module: C Programming

**C PROGRAMMING HOMEWORK /30 Marks**

1. Define the following terms: /6
  - a) Variable
  - b) Loop
  - c) Array
2. What are three types of loop does C Programming use /3
3. By using while loop, write a C program to print all natural numbers from 1 to 100. /4
4. By using for loop, write a C program to print all even numbers between 50 and 10. /4
5. By using do while loop, write a C program to find sum of all odd numbers between 1 and 45. /4
6. Write a C program to calculate factorial of a given number entered by the user /4

**Description:** Factorial of a number is a product of a given number by every number below it till 1  
For example: the factorial of 5 is 120 because you follow this formula  $5*4*3*2*1$
7. By using for loop, write a C program to find the sum of all array elements /5

**Happy Coding!**