

PPA-5

Assignment: While Loop 1

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Instructions:

- Complete this assignment in next 24 hours.
- Submit the solution to your leaders.
- Ask for help to your leaders if it is really a need.

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{Note: Use While loop for all the codes below}

Program 1. Write a C Program to print the sum of all even numbers and multiplication of odd numbers ranging between 1 to n. where n is a number entered by user.

Input: Enter N => 10

Output:

Sum of all even numbers between 1 to 10: 30

Multiplication of all odd numbers between 1 to 10: 945

Program 2. Write a C program to count number of digits in a number.

{Hint: performing modulus operation by 10 on the number gives us the last digit from that number}

Input: 13345

Output: 5

Program 3. Write a C Program that print Fahrenheit-to-Celsius conversion table for 0 to 100 degree F.

4. Write a C program to take input from user and check whether the number is Perfect number or not. Using while loop.

{Note: if sum of all perfect divisors of a number is equal to that number then that number is termed as perfect number}

Input: 6

Output: 6 Is a Perfect Number.

Program 5. Write a program to print the count of even numbers which are divisible by 5 from 1 to 50 .

Output: 10 ,20 ,30 ,40 ,50