PF-Lab5-Tasks

Task # 1: Generate alphabets from A to Z. (ASCII code for A=65 and Z=90).

Task # 2: Generate a series of Odd numbers and even numbers (up to 20) using for loop.

Expected output

Odd even

1. 2

3 4

**Task # 3:** Write a program that prints all Roll numbers of your class using for loop.

Output should be as :

20SW01

20SW02

20SW03

…..

…

20SW10

20SW11

and so on.

Task # 4: Consider Task=#1 and separate vowels and consonants.

**Expected Output**

Vowels Consonants

A B

E C

D

Task # 5 Write a program to print the table of characters that are equivalent to the Ascii codes from 97 to 122.

The program will print 10 characters per line.

Task # 6: Write a C++ program that takes two characters as input and display all the characters between these two characters. And also count the number of characters

**Test data**

Enter first character: d

Enter second character: p

**Expected output**

Characters between ‘d’ and ‘p’ are: e f g h i j k l m n o

and Characters count : 11

Task # 7: Write a program called SumAndAverage to produce the sum of 1, 2, 3, ..., to 100. Also compute and display the average. The output shall look like:

The sum is 5050

The average is 50.0

Task # 8 Write a program that prints the table of number 5 up to 15 (i.e 1\*5=5 ……… 15\*5=75)

Task# 9 write a program that takes an inter as an input and prints its factorial

Output

Number : 5

Factorial : 120

Task # 10: What do the loops below do?

**Loop 1**

for(int i = 0; i < 20; i++){

if(i % 2 == 0){

cout<<(i\*2);

}

}

**Loop 2**

for(int i = 20; i > 0 ; i-- ){

if(i % 2 == 0){

cout<<i;

}

**Loop 3**

int mysteryInt = 100;

for(int i = 5; i > 0;i-- ){

mysteryInt -= i;

cout<<(mysteryInt);

}

**Loop 4**

for(int i = 5; i > 0;i-- ){

int mysteryInt = 100;

mysteryInt -= i;

ccout<<(mysteryInt);

}

**Loop 5: a while loop**

int mysteryInt = 1;

int counter=1;

while(mysteryInt < 3 ) {

mysteryInt = mysteryInt\* counter;

counter++;

}

cout<<(mysteryInt);