**National University of Computer and Emerging Sciences, Lahore Campus**

**Programming Fundamentals**

**QUIZ 1 (Version A)**

**Section:** BSE-1B  **Date:** 13th September, 2023

**Q1: Write the Output of the following code:**

#include <iostream>

#include <iomanip>

using namespace std;

int main()

{

int m1 = 2, m2 = 7;

double d1 = 0.5, d2 = 1.0;

int i1 = 5, i2 = 8;

int num = 57;

int x = 2, y = 3, z = 1;

cout << fixed << setprecision(1);

cout << " " << m1 << " - " << d2 << " = " << m1 - d2 << endl;

cout << " " << d1 << " \* " << d2 << " = " << d1 \* d2 << endl;

cout << " " << m1 << " \* " << d2 << " = " << m1 \* d2 << endl;

cout << " " << d1 << " / " << d2 << " = " << d1 / d2 << endl;

cout << " " << m1 << " / " << d2 << " = " << m1 / d2 << endl;

cout << (d1 + m1 / m2 \* 1 - 7 % m2) << endl;

Output:

cout << (m1 > m2 && ++d1 < d2) << endl;

cout << " " << num++ << endl;

++num;

cout << " " << num/++d2 << endl;

num = num - 5;

cout << " " << num << endl;

num--;

cout << " " << ++num << endl;

--num;

cout << i1 / i2 << endl;

cout << (double)i1 / i2 << endl;

cout << i1 / (double)i2 << endl;

cout << (double)(i1 / i2) << endl;

cout<< y++ + z-- + x++<<endl;

cout << (int)d1 / i2 << endl;

cout << (int)(d1 / i2) << endl;

i2 = d2;

cout << i2 << endl;

d1 = i1;

cout << d1 << endl;

}

**Q2: Write the Output of the following code:**

#include <iostream>

using namespace std;

int main()

{

bool b = true;

int x = 20;

int y = 0;

cout << (b && x++ == 0);

cout << (b || x == 0 && b==x);

cout << (!b && x == 0);

cout << (!b || x == 0);

cout << (b && x != 0);

cout << (b || x != 0);

cout << (!b && x != 0);

cout << (!b || x != 0);

cout<< x == 30 || y == 30 || (x + y == 30);

}

Output:

**Q3: Write a C++ Program that will add two numbers without using + operator.**