National University of Computer and Emerging Sciences, Lahore Campus

Programming Fundamentals

QUIZ 1(Version A)

Section: BSE-1B **Date:** 7th September 2022

Q1: Write the Output of the following code:

```
#include <iostream>
#include <iomanip>   // formatting floating-point numbers with 1 decimal place
using namespace std;

int main()
{
	int m1 = 2, m2 = 3;
	double d1 = 0.1, d2 = 0.2;
	cout << "\n\n Display arithmetic operations with mixed data type :\n";
	cout << "-----------------------------------------------------\n";
	cout << fixed << setprecision(1);//it will display single digit after point
	cout << " " << m1 << " + " << m2 << " = " << m1 + m2 << endl;
	cout << " " << d1 << " + " << d2 << " = " << d1 + d2 << endl;
	cout << " " << m1 << " + " << d2 << " = " << m1 + d2 << endl;
	cout << " " << m1 << " - " << m2 << " = " << m1 - m2 << endl;
	cout << " " << d1 << " - " << d2 << " = " << d1 - d2 << endl;
	cout << " " << m1 << " - " << d2 << " = " << m1 - d2 << endl;
	cout << " " << m1 << " * " << m2 << " = " << m1 * m2 << endl;
	cout << " " << d1 << " * " << d2 << " = " << d1 * d2 << endl;
	cout << " " << m1 << " * " << d2 << " = " << m1 * d2 << endl;
	cout << " " << m1 << " / " << m2 << " = " << m1 / m2 << endl;
	cout << " " << d1 << " / " << d2 << " = " << d1 / d2 << endl;
	cout << " " << m1 << " / " << d2 << " = " << m1 / d2 << endl;
	cout << endl;
	return 0;
}
```

Output:

```
#include <iostream>
using namespace std;
int main()
{
   cout << "Print the result of some specific operation :\n";
   cout << "-----------------------------------------\n";
   cout << "1st expression is: " << (-1 + 4 * 2) << "\n";
   cout << " 2nd expression is: " << ((35 + 5) % 7) << "\n";
   cout << " 3rd expression is: " << (14 + -5 * 6 / 12) << "\n";
   cout << " 4th expression is : " << (2 + 5 / 6 * 1 - 7 % 2) << "\n\n";
}
```

Output:

Q3: Write the Output of the following code:

```
#include <iostream>
using namespace std;

int main()
{
	int num = 57;
	cout << "Display the operation of pre and post increment and decrement :\n";
	cout << "-----------------------------------------------------------------\n";
	cout << " The number is : " << num << endl;
	num++;
	cout << " After post increment by 1 the number is : " << ++num << endl;
	++num;
	cout << " After pre increment by 1 the number is : " << num-- << endl;
	num = num + 1;
	cout << " Now number is : " << num << endl;
	num--;
	cout << " After post decrement by 1 the number is : " << num << endl;
	--num;
	cout << " After pre decrement by 1 the number is : " << num << endl;
	num = num - 1;
	cout << " Now number is : " << ++num << endl;
	cout << endl;
	return 0;
}
```

Output: