



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

Programming Fundamentals

QUIZ 1 (Version C)

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 = 6;
    double d1 = 0.25, d2 = 5.0;
    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:

Q2: Write the Output of the following code:

```
#include <iostream>
using namespace std;
int main()
{
    cout << "Print the result of some specific operation :\n";
    cout << "-----\n";
    cout << "1st expression is: " << (-1 + 4 / 6) << "\n";
    cout << " 2nd expression is: " << ((3 * 5) % 7) << "\n";
    cout << " 3rd expression is: " << (14 + -4 * 6 / 11) << "\n";
    cout << " 4th expression is : " << (2 + 15 / 6 / 1 - 7 % 2) << "\n\n";
}
Output:
```

Q3: Write the Output of the following code:

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

int main()
{
    int num = 99;
    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: