



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

Programming Fundamentals

QUIZ 1 (Version B)

Section: BSE-1B

Date: 7th September 2022

Q1: Write the Output of the following code:

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

int main()
{
    cout << "\n\n Formatting the output using type casting:\n";
    cout << "-----\n";
    cout << "Print floating-point number in fixed format with 1 decimal place: ";
    cout << fixed << setprecision(1);
    cout << "\nTest explicit type casting :\n";
    int i1 = 5, i2 = 9;
    cout << i1 / i2 << endl;
    cout << (int)i1 / i2 << endl;
    cout << i1 / (double)i2 << endl;
    cout << (double)(i1) / i2 << endl;
    double d1 = 5.0, d2 = 1.0;
    cout << "\nTest implicit type casting :\n";
    cout << (int)d1 / i2 << endl;
    cout << (int)(d1) / i2 << endl;
    cout << "\nint implicitly casts to double: \n";
    d1 = i1;
    cout << d1 << endl;
    cout << "double truncates to int!: \n";
    i2 = d2;
    cout << i2 << endl;
}
```

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: " << ((25 - 5) / 7) << "\n";
    cout << " 3rd expression is: " << (12 + -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 x=20, y=93, z=12;
    int result;
    result = y++ + z-- + ++x;
    cout << result << endl;
    return 0;
}
```

Output: