

Program 1 (if statement)

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

int main()
{
    int score1, score2, score3;    // To hold three test scores
    double average;               // To hold the average score

    cout << "Enter 3 test scores and I will average them: ";
    cin >> score1 >> score2 >> score3;

    average = (score1 + score2 + score3) / 3.0;
    cout << fixed << showpoint << setprecision(1);
    cout << "Your average is " << average << endl;

    if (average > 95)
    {
        cout << "Congratulations!\n";
        cout << "That's a high score.\n";
        cout << "You deserve a pat on the back!\n";
    }

    return 0;
}
```

Program 2 (for Loop)

// This program demonstrates a user controlled for loop.

```
#include <iostream>
```

```
using namespace std;
```

```
int main()
```

```
{  
    int num;                // Loop counter variable  
    int maxValue;          // Maximum value to display  
  
    // Get the maximum value to display.  
    cout << "I will display a table of numbers and\n";  
    cout << "their squares. How high should I go? ";  
    cin >> maxValue;  
  
    cout << "\nNumber Number Squared\n";  
    cout << "-----\n";  
  
    for (num = 1; num <= maxValue; num++)  
    {  
        cout << num << "\t\t" << (num * num) << endl;  
    }  
  
    return 0;  
}
```