

Intro to C++

Session 4- Four Sample C++ Programs

By Coding-Bootcamps.com

Program #1

```
//Program to find out the given number is odd or even
#include <iostream>
using namespace std;

int main()
{
    int n;
    cout << "Enter the number = ";
    cin >> n;

    if (n % 2 == 0) //% is used to calculate the remainder
        cout << "The number is even";
    else
        cout << "The number is odd";

    return 0;
}

#####
```

Program #2

```
//Program to find out the greater number from given numbers
#include <iostream>
using namespace std;

int main()
{
    int a, b, c, max;
    cout << "Enter the value of a = ";
    cin >> a;
    cout << "Enter the value of b = ";
    cin >> b;
    cout << "Enter the value of c = ";
    cin >> c;
    if (a > b)
        max = a;
    else
        max = b;
    if (c > max)
        max = c;
    cout << "The Greater number is = " << max;
}
```

```

        return 0;
}

```

```
#####
```

Program #3

```

//Program to find out the grade of given marks
#include <iostream>
using namespace std;

int main() {
    int mark;
    string grade;
    cout << "Please enter a mark number: " << endl;
    cin >> mark;
    if (mark >= 85) {
        grade = "A+";
    }
    else if (mark >= 80) {
        grade = "A";
    }
    else if (mark >= 75) {
        grade = "B";
    }
    else if (mark >= 70) {
        grade = "C";
    }
    else if (mark >= 65) {
        grade = "D";
    }
    else {
        grade = "F";
    }
    cout << "The grade given is " << grade;
    return 0;
}

```

```
#####
```

Program #4

```

//Program to find out the smaller number from given numbers
#include <iostream>
using namespace std;
int main()
{
    int a, b, c, min;
    cout << "Enter the value of a = ";
    cin >> a;
}

```

```
cout << "Enter the value of b = ";
cin >> b;
cout << "Enter the value of c = ";
cin >> c;
if (a < b && a < c) min = a;
if (b < a && b < c) min = b;
if (c < a && c < b) min = c;
cout << "The Smaller number is = " << min;
return 0;
}

#####
```