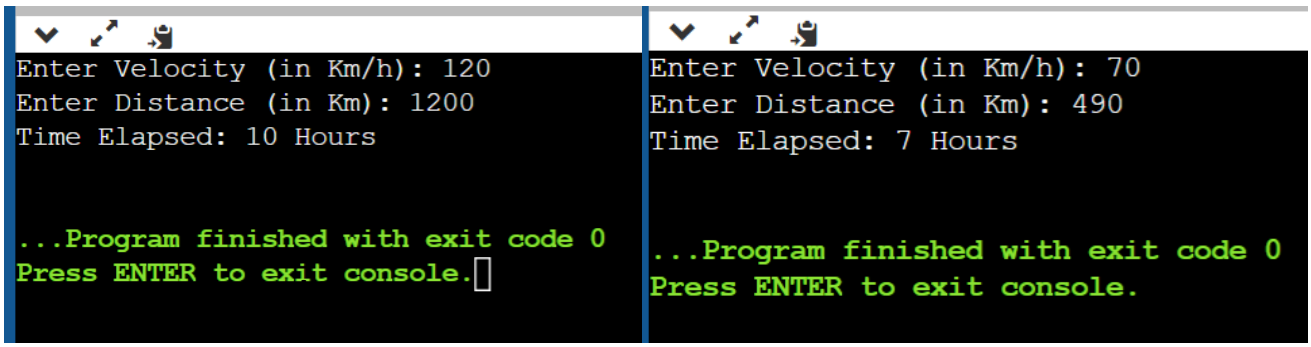
First Program

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

int main()
{
    int Time, Velocity, Distance;

    cout << "Enter Velocity (in Km/h): ";
    cin >> Velocity;
    cout << "Enter Distance (in Km): ";
    cin >> Distance;
    Time = Distance / Velocity;
    cout << "Time Elapsed: " << Time << " Hours" << endl;

    return 0;
}
```


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

int main()
{
    int Time, Velocity, Distance;

    cout << "Enter Velocity (in Km/h): ";
    cin >> Velocity;
    cout << "Enter Distance (in Km): ";
    cin >> Distance;
    Time = Distance / Velocity;
    cout << "Time Elapsed: " << Time << " Hours" << endl;

    return 0;
}
```

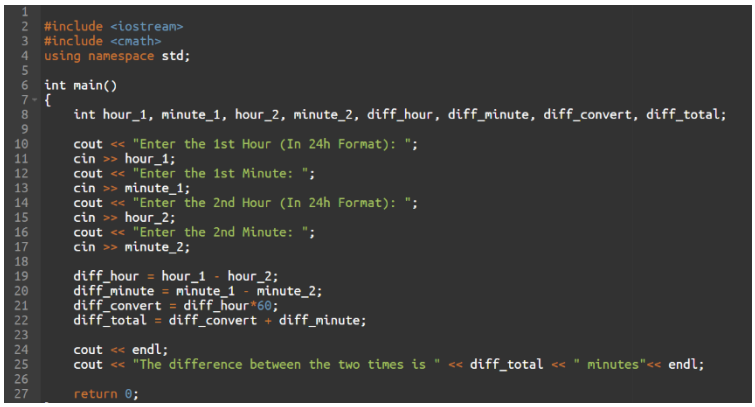

Input & Output



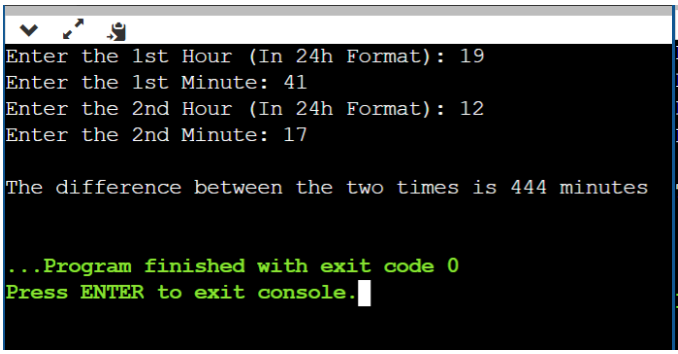
Ramzy Izza Wardhana – 472698 – CSB – Lab Programming Assignment 2

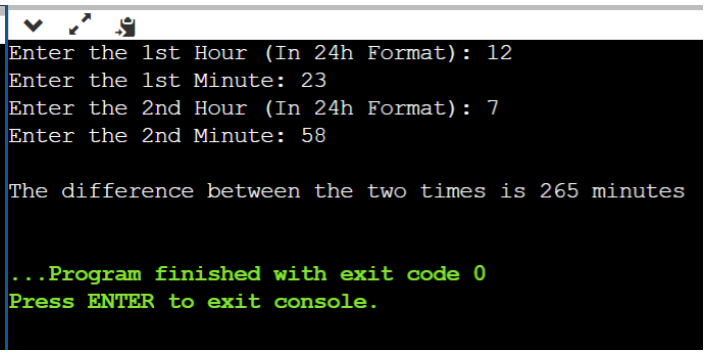
Second Program

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

int main()
{
   int hour_1, minute_1, hour_2, minute_2, diff_hour, diff_minute, diff_convert, diff_total;

   cout << "Enter the 1st Hour (In 24h Format): ";
   cin >> hour_1;
   cout << "Enter the 1st Minute: ";
   cin >> minute_1;
   cout << "Enter the 2nd Hour (In 24h Format): ";
   cin >> hour_2;
   cout << "Enter the 2nd Minute: ";
   cin >> minute_2;

   diff_hour = hour_1 - hour_2;
   diff_minute = minute_1 - minute_2;
   diff_convert = diff_hour*60;
   diff_total = diff_convert + diff_minute;

   cout << endl;
   cout << "The difference between the two times is " << diff_total << " minutes"<< endl;

   return 0;
}
```



Input & Output



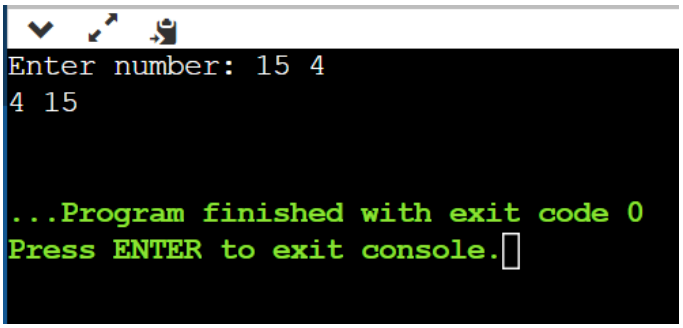


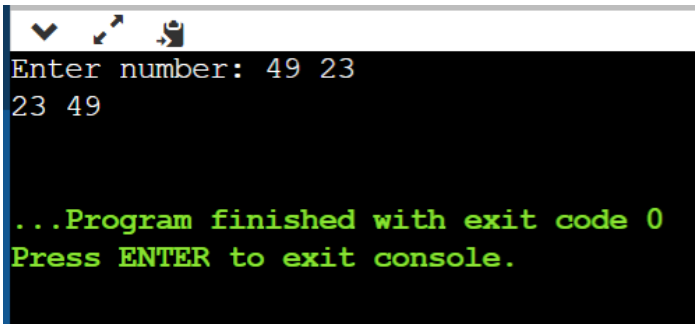
Third Program

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

int main()
{

int number1, number2;

cout << "Enter number: ";
cin >> number1 >> number2;
cout << number2 << " " << number1 << endl;

return 0;
}
```

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

int main()
{

int number1, number2;

cout << "Enter number: ";
cin >> number1 >> number2;
cout << number2 << " " << number1 << endl;

return 0;
}
```

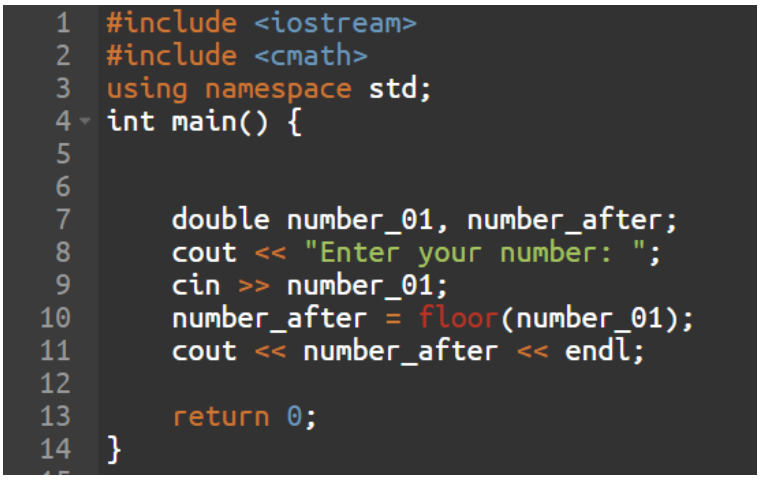
Input & Output





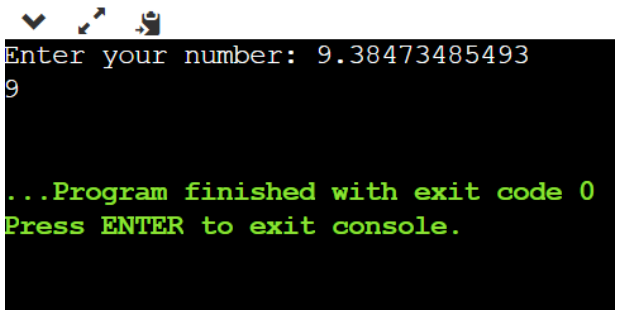
Fourth Program

```
#include <iostream>
#include <cmath>
using namespace std;
int main() {


   double number_01, number_after;
   cout << "Enter your number: ";
   cin >> number_01;
   number_after = floor(number_01);
   cout << number_after << endl;

   return 0;
}
```

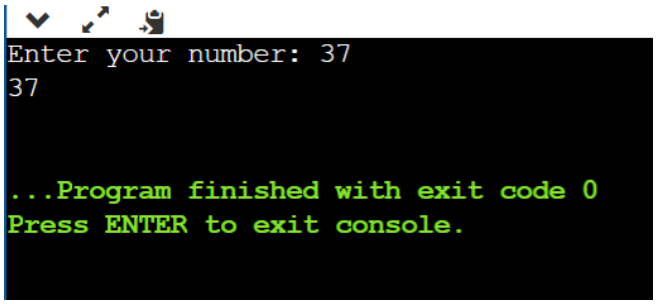


```
#include <iostream>
#include <cmath>
using namespace std;
int main() {


    double number_01, number_after;
    cout << "Enter your number: ";
    cin >> number_01;
    number_after = floor(number_01);
    cout << number_after << endl;

    return 0;
}
```

Input & Output



```
Enter your number: 9.38473485493
9


...Program finished with exit code 0
Press ENTER to exit console.
```



```
Enter your number: 37
37


...Program finished with exit code 0
Press ENTER to exit console.
```

Fitfth Program

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

int main() {

    long int num_input_user;
    long int num_calculate;
    cout << "Please input your number: ";
    cin >> num_input_user;
    num_calculate = num_input_user*(num_input_user+1)/2;
    cout << num_calculate << endl;

    return 0;
}
```

Input & Output