

Name: moaz Abdallah  
SABID: 74241

## Assignment

```
#include <iostream>
using namespace std;
int main() {
    int a,b, temp;
    cout << "Enter your first number: ";
    cin >> a;
    cout << "Enter your second number: ";
    cin >> b;
    // swap
    temp = a;
    a = b;
    b = temp;
    cout << "The values after swapping are: \n";
    cout << "The value of first number = " << a
        << "\n";
    cout << "The value of second number = " << b <<
    endl;
    return 0;
```

## 2. Average of Three subjects

```
# include <iostream>
```

```
using namespace std;
```

```
int main() {
```

```
float m1, m2, m3, avg;
```

```
cout << "Enter marks of three subjects: \n";
```

```
cin >> m1 >> m2 >> m3;
```

```
avg = (m1 + m2 + m3) / 3;
```

```
if (avg > 80) {
```

```
cout << "You are above standard\n";
```

```
cout << "Admission Granted\n";
```

```
}
```

```
return 0;
```

```
}
```

3. Check If second Number is square of First

```
#include <iostream>
```

```
using namespace std;
```

```
int main()
```

```
{ int num1, num2;
```

```
cout << "Enter first number:";
```

```
cin >> num1;
```

```
cout << "Enter second number:";
```

```
cin >> num2;
```

```
If (num2 == num1 * num1)
```

```
cout << "Second number is the square of the first  
number\n";
```

```
else
```

```
cout << "Second number is not the square  
of the first number\n";
```

```
return 0;
```

## 4. Check Even or odd

```
#include <iostream>
using namespace std;
int main() {
    int num;
    cout << "Enter a number:" ;
    cin >> num;
    if (num % 2 == 0)
        cout << "The number is even\n";
    else
        cout << "The number is odd\n";
    return 0;
}
```

## 5. Check Positive, Negative or Zero

```
#include <iostream>
using namespace std;
int main() {
    int num;
    cout << "Enter a number: ";
    cin >> num;
    if (num > 0)
        cout << "The number is Positive/n";
    else if (num < 0)
        cout << "The number is negative/n";
    else
        cout << "The number is zero/n";
    return 0;
}
```

6. Find maximum of Three numbers

include <iostream>

using namespace std;

int main () {

int a, b, c;

cout << "Enter three numbers: ";

cin >> a >> b >> c;

int maxNum = a;

if (b > maxNum) maxNum = b;

if (c > maxNum) maxNum = c;

~~cout~~ cout << "The maximum number is " << maxNum

<< endl;

return 0;

3.

# main.cpp



```
1 #include <iostream>
2 using namespace std;
3
4 int main() {
5     int a, b, temp;
6     cout << "Enter your first number: ";
7     cin >> a;
8     cout << "Enter your second number: ";
9     cin >> b;
10
11    // Swap
12    temp = a;
13    a = b;
14    b = temp;
15
16    cout << "The values after swapping are:\n";
17    cout << "The value of first number = " << a << endl;
18    cout << "The value of second number = " << b << endl;
19    return 0;
20 }
21
```



Run

Output

```
Enter your first number: 9
Enter your second number: 7
The values after swapping are:
The value of first number = 7
The value of second number = 9

==== Code Execution Successful ====
```

main.cpp

```
1 #include <iostream>
2 using namespace std;
3
4 int main() {
5     float m1, m2, m3, avg;
6     cout << "Enter marks of three subjects:\n";
7     cin >> m1 >> m2 >> m3;
8
9     avg = (m1 + m2 + m3) / 3;
10
11    if (avg > 80) {
12        cout << "You are above standard\n";
13        cout << "Admission Granted\n";
14    }
15    return 0;
16 }
17 }
```



Share



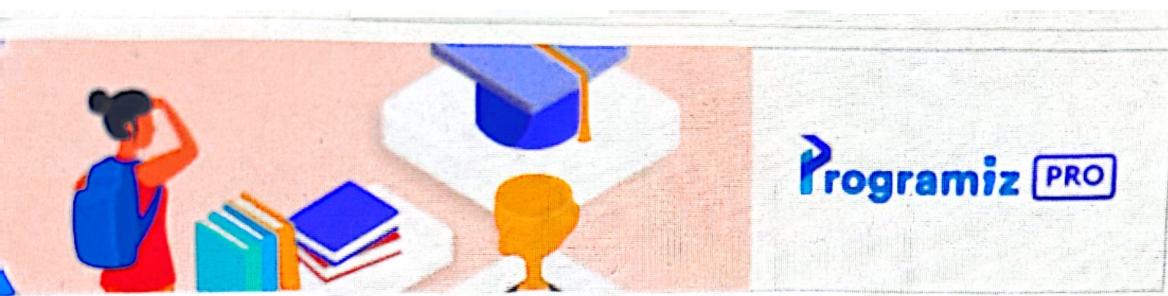
JS

TS



Type here to search





Run

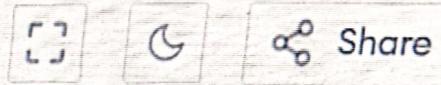
Output

Enter marks of three subjects:

10  
7  
8

==== Code Execution Successful ===

main.cpp



```
1 #include <iostream>
2 using namespace std;
3
4 int main() {
5     int num1, num2;
6     cout << "Enter first number: ";
7     cin >> num1;
8     cout << "Enter second number: ";
9     cin >> num2;
10
11    if (num2 == num1 * num1)
12        cout << "Second number is the square of the first number\n";
13    else
14        cout << "Second number is NOT the square of the first number\n";
15
16    return 0;
17 }
18
```



Programiz PRO

Program



## Output

Enter first number: 7

Enter second number: 9

Second number is NOT the square of the first number

==== Code Execution Successful ===



C++ Online Compiler

Premium Coding  
Courses by Programiz

main.cpp

```
1 #include <iostream>
2 using namespace std;
3
4 int main() {
5     int num;
6     cout << "Enter a number: ";
7     cin >> num;
8
9     if (num % 2 == 0)
10         cout << "The number is even\n";
11     else
12         cout << "The number is odd\n";
13
14     return 0;
15 }
16
```





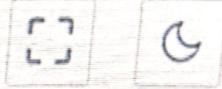
## Output

Enter a number: 55

The number is odd

==== Code Execution Successful ===

main.cpp

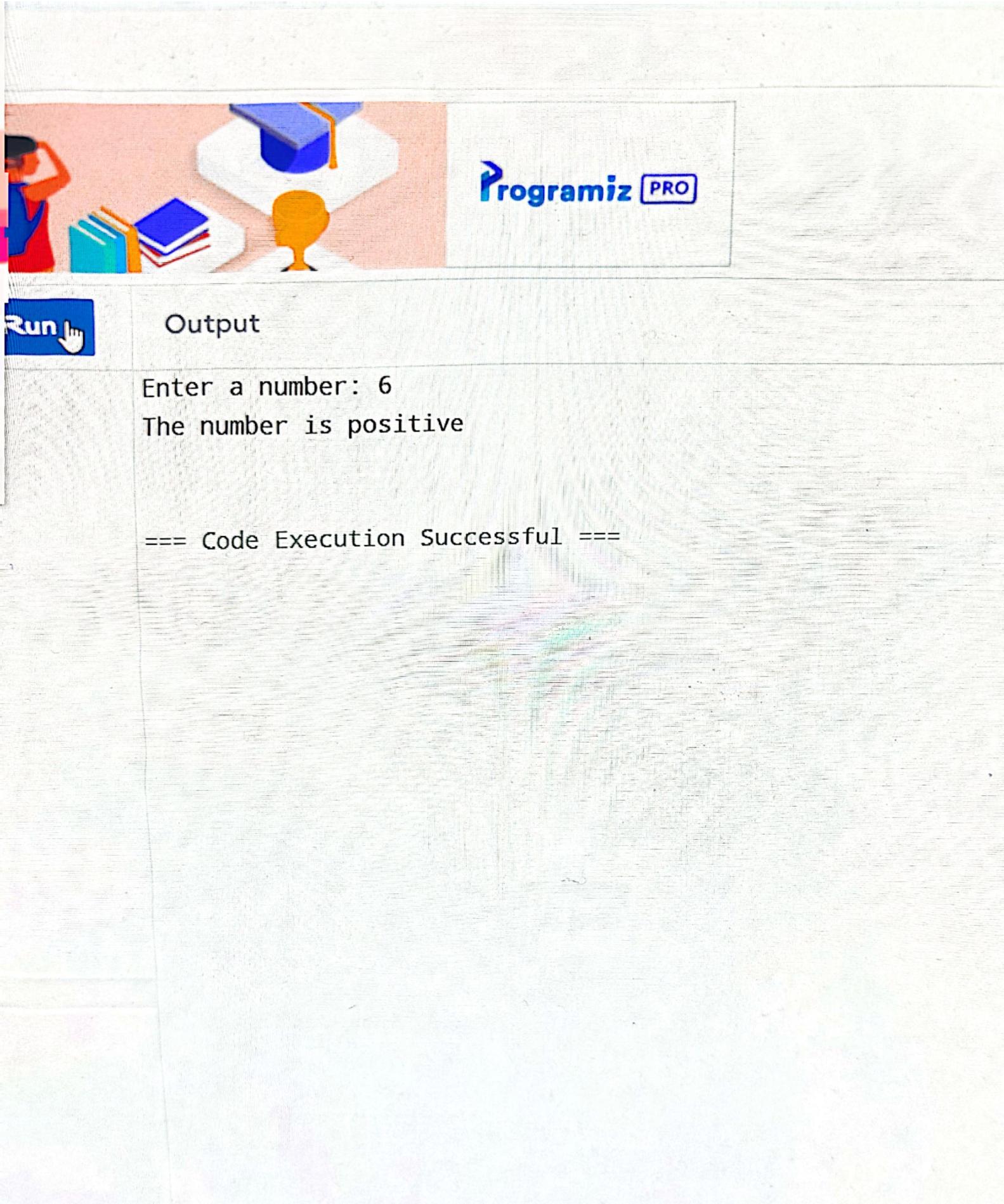


```
1 #include <iostream>
2 using namespace std;
3
4 int main() {
5     int num;
6     cout << "Enter a number: ";
7     cin >> num;
8
9     if (num > 0)
10         cout << "The number is positive\n";
11     else if (num < 0)
12         cout << "The number is negative\n";
13     else
14         cout << "The number is zero\n";
15
16     return 0;
17 }
18
```

TS

E

N



main.cpp

```
1 #include <iostream>
2 using namespace std;
3
4 int main() {
5     int a, b, c;
6     cout << "Enter three numbers: ";
7     cin >> a >> b >> c;
8
9     int maxNum = a;
10    if (b > maxNum) maxNum = b;
11    if (c > maxNum) maxNum = c;
12
13    cout << "The maximum number is: " << maxNum << endl;
14    return 0;
15 }
16
```

JS

TS

HTML

CSS

F11

Type here to search





Run

## Output

Enter three numbers: 44

79

60

The maximum number is: 79

==== Code Execution Successful ===