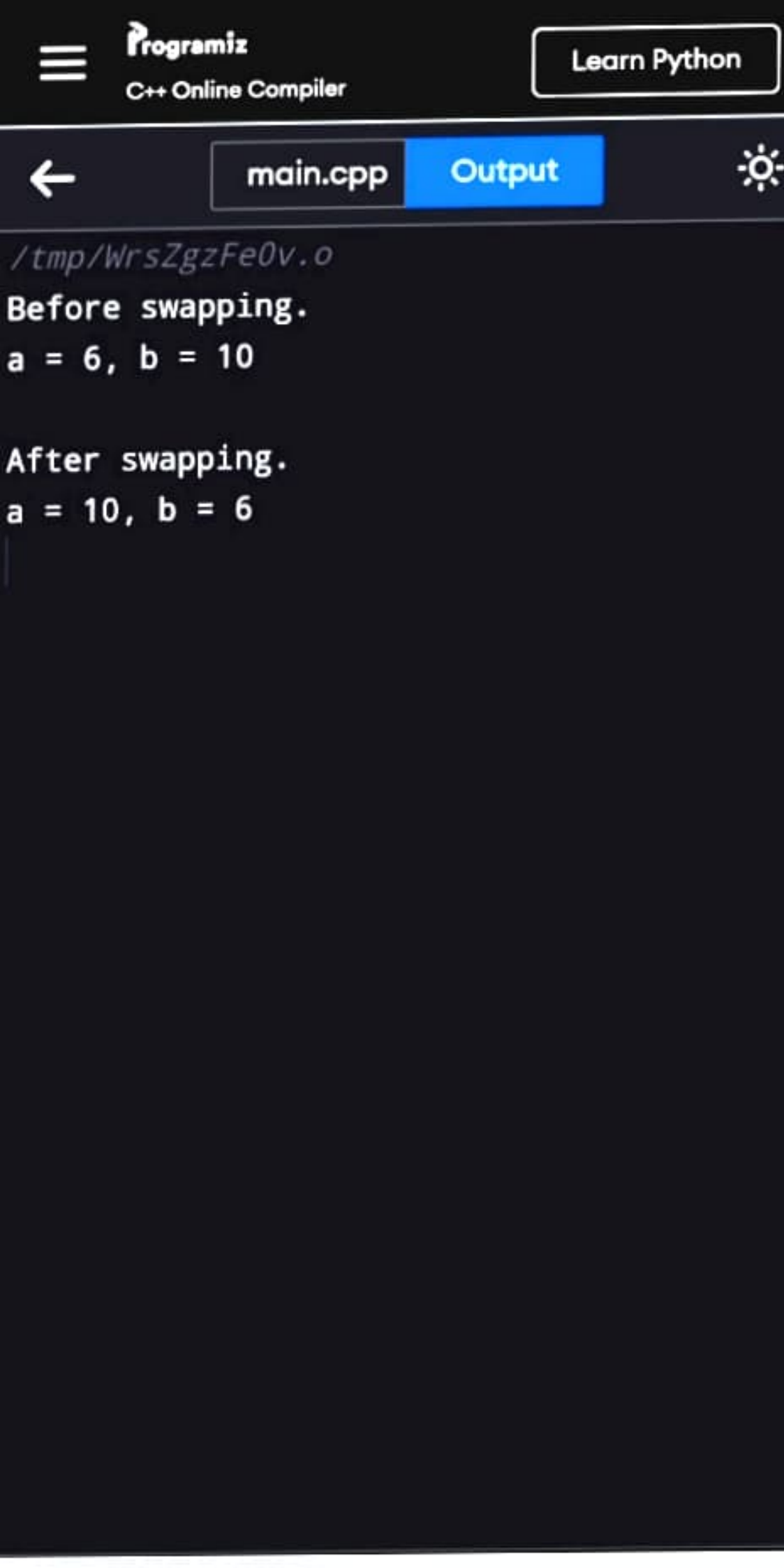
main.cpp | Output

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

int main()
{
    int a = 6, b = 10, temp;

    cout << "Before swapping." <<
        endl;
    cout << "a = " << a << ", b = "
        << b << endl;

    temp = a;
    a = b;
    b = temp;

    cout << "\nAfter swapping." <<
        endl;
    cout << "a = " << a << ", b = "
        << b << endl;

    return 0;
}
```

Run


Programiz
C++ Online Compiler
Learn Python
main.cpp
Output
/tmp/WrsZgzFe0v.o
Before swapping.
a = 6, b = 10
After swapping.
a = 10, b = 6

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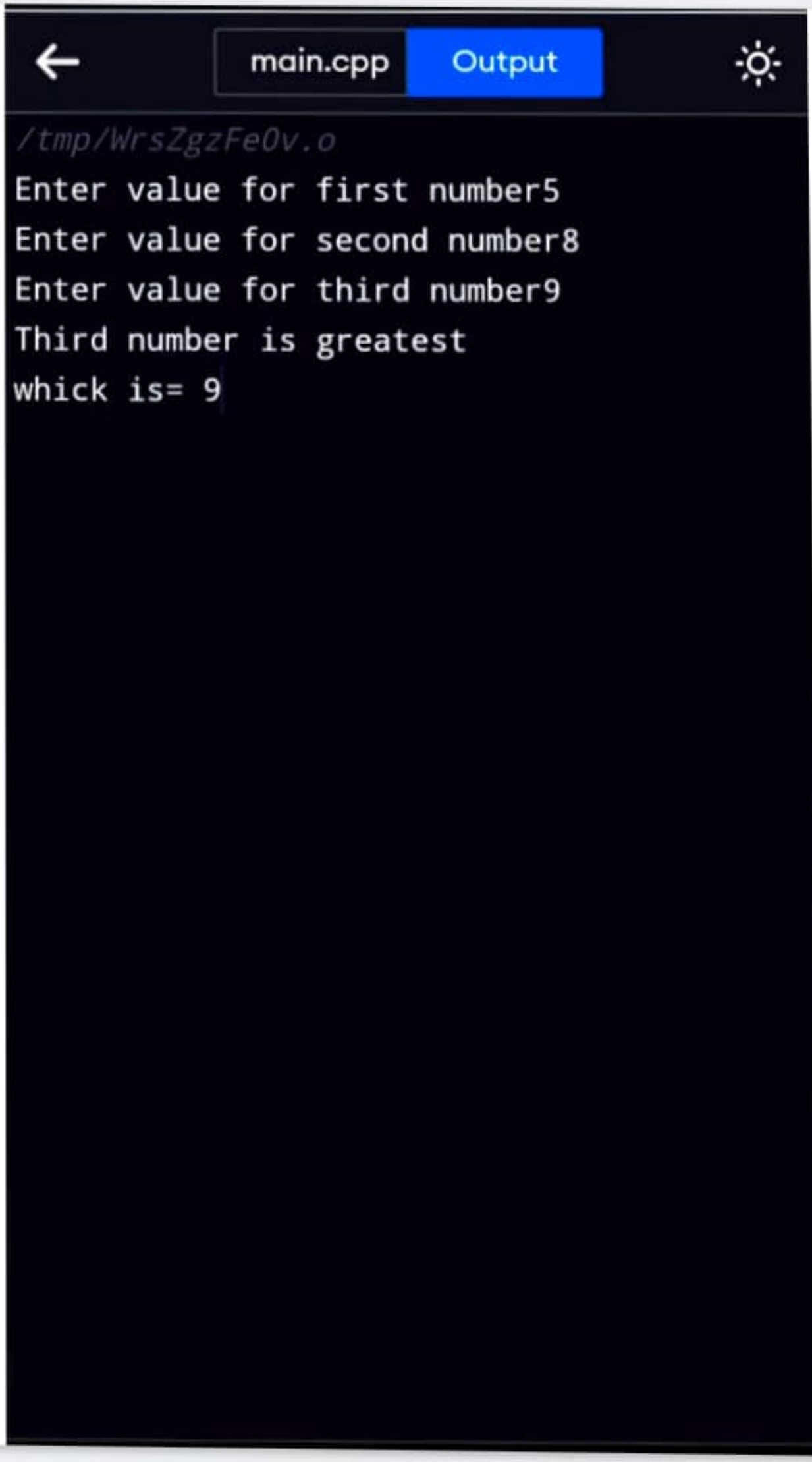
Learn Python

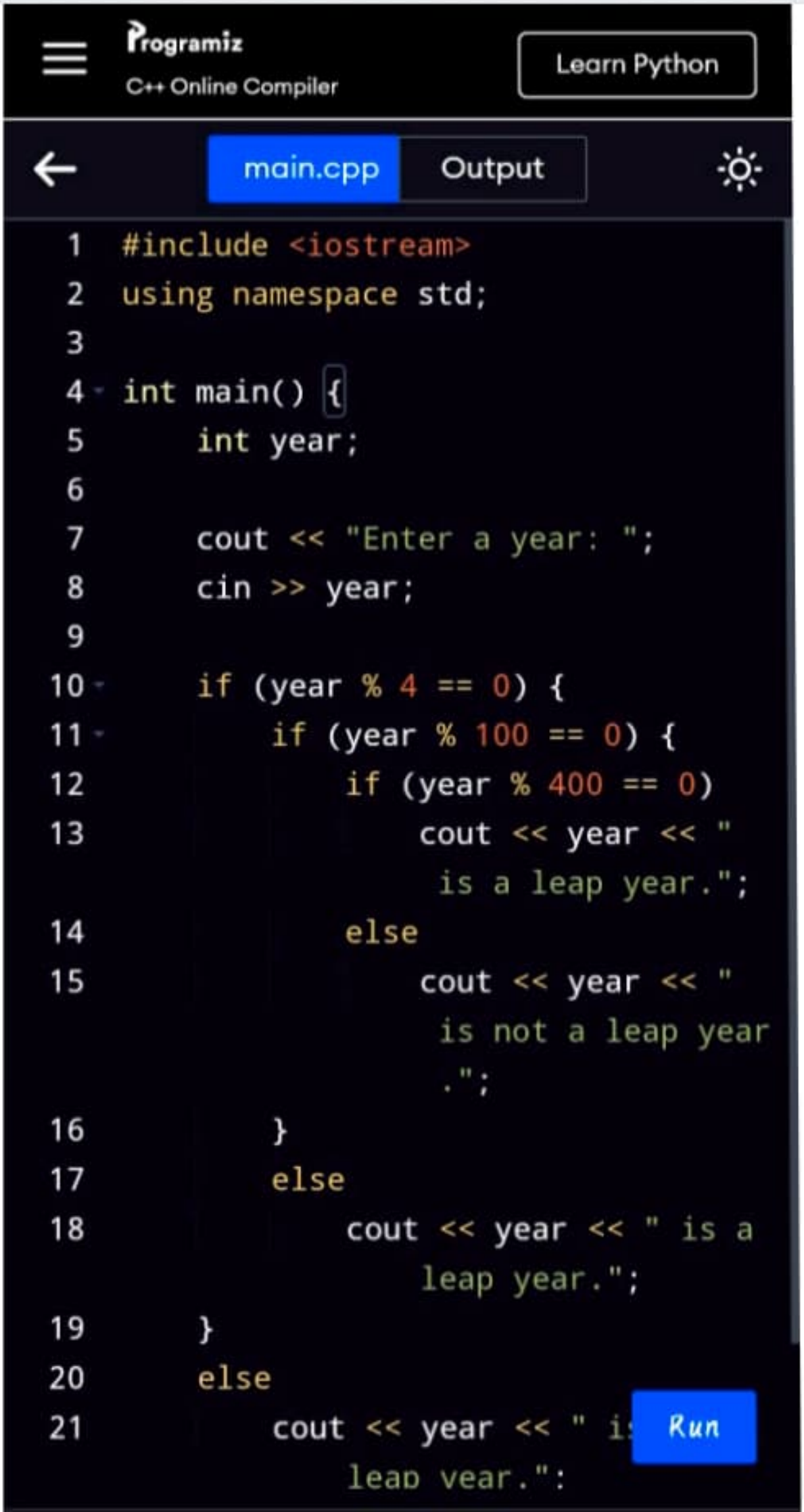
main.cpp | Output

```cpp
#include<iostream>
using namespace std;
int main() {
    int num1,num2,num3;
    cout<<" Enter value for first
        number";
    cin>>num1;
    cout<<" Enter value for second
        number";
    cin>>num2;
    cout<<" Enter value for third
        number";
    cin>>num3;
    if(num1>num2&&num1>num3) {
        cout<<" First number is
            greatest:"<<endl
            <<"whick is= "<<num1;
    } else if(num2>num1&&num2>num3)
        {
        cout<<" Second number is
            greatest"<<endl<<"whick
            is= "<<num2;
    } else {
        cout<<" Third number is
            greatest"<<endl
            is= "<<num3;
```

Run


17 }
18 return 0;
19 }
Run


main.cpp
Output
/tmp/WrsZgzFe0v.o
Enter value for first number5
Enter value for second number8
Enter value for third number9
Third number is greatest
whick is= 9



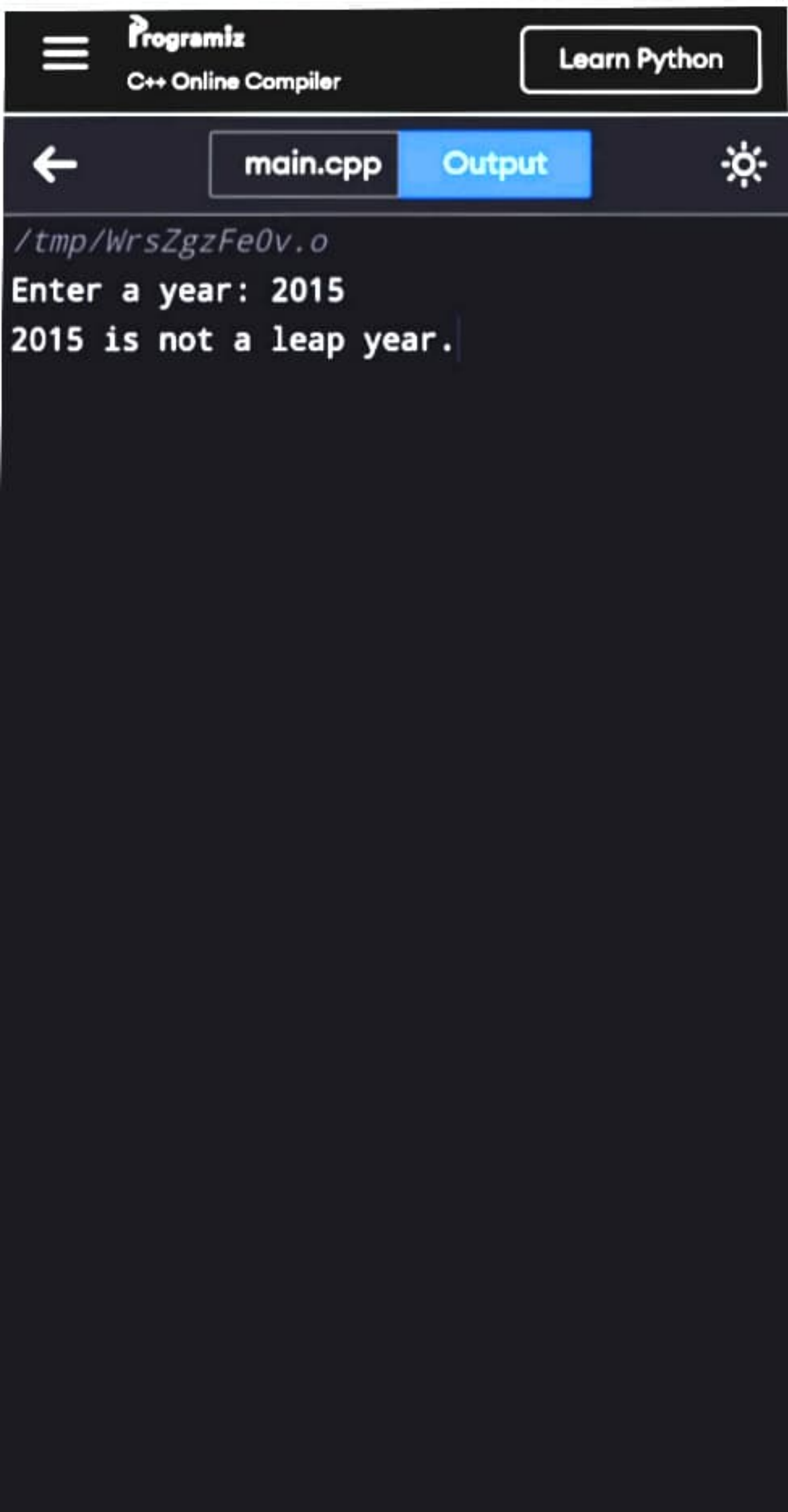

```cpp
#include <iostream>
using namespace std;

int main() {
    int year;

    cout << "Enter a year: ";
    cin >> year;

    if (year % 4 == 0) {
        if (year % 100 == 0) {
            if (year % 400 == 0)
                cout << year << "
                 is a leap year.";
            else
                cout << year << "
                 is not a leap year
                 .";
        }
        else
            cout << year << " is a
                 leap year.";
    }
    else
        cout << year << " i
             leap year.";
```


22
23 return 0;
24 }
Run


Programiz
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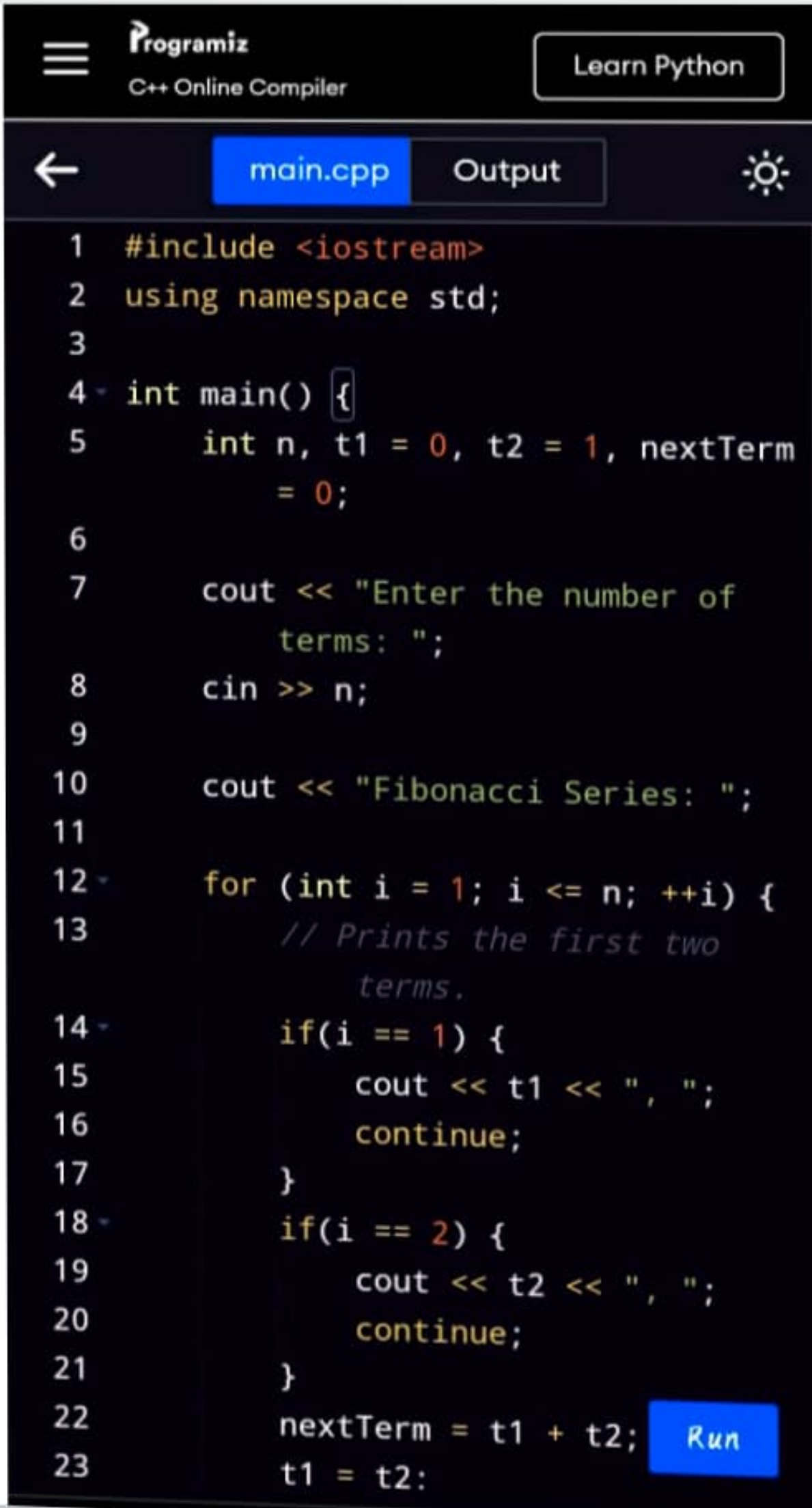
Learn Python
main.cpp
Output
/tmp/WrsZgzFe0v.o
Enter a year: 2015
2015 is not a leap year.


Programiz
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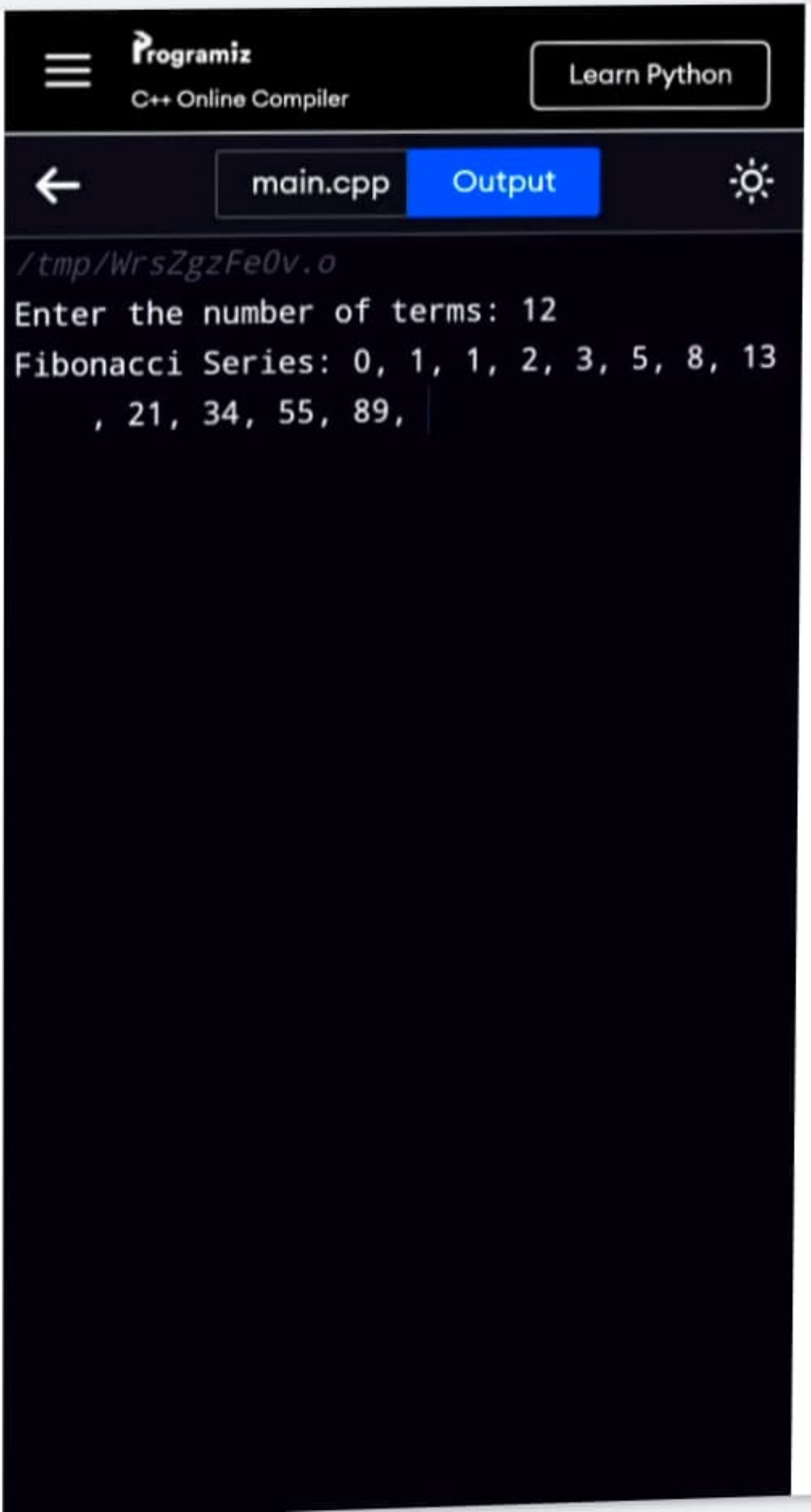
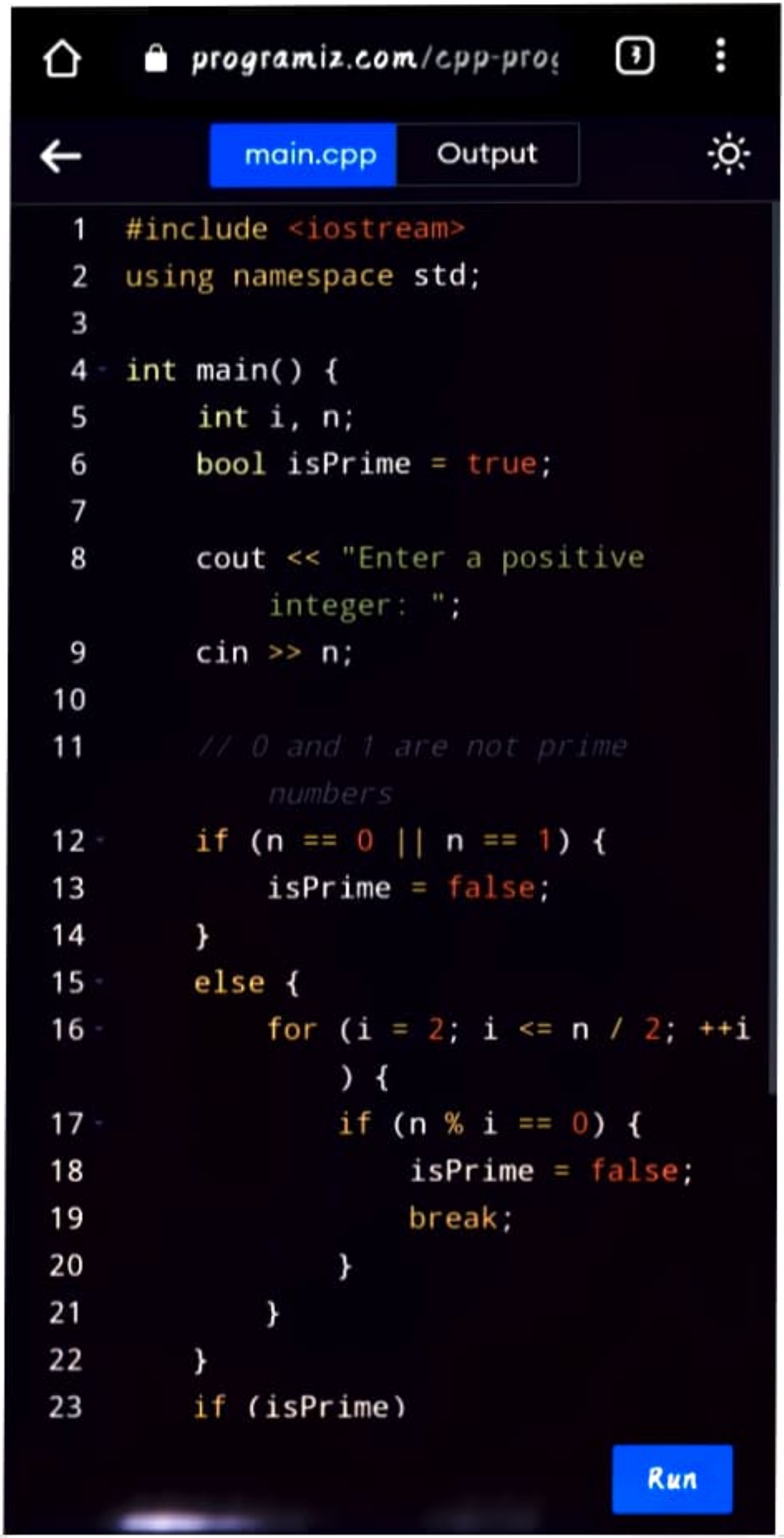
Learn Python
main.cpp
Output
#include <iostream>
using namespace std;
int main() {
int n, t1 = 0, t2 = 1, nextTerm
= 0;
cout << "Enter the number of
terms: ";
cin >> n;
cout << "Fibonacci Series: ";
for (int i = 1; i <= n; ++i) {
// Prints the first two
terms.
if(i == 1) {
cout << t1 << ", ";
continue;
}
if(i == 2) {
cout << t2 << ", ";
continue;
}
nextTerm = t1 + t2;
t1 = t2;
Run

```
24            t2 = nextTerm;
25
26            cout << nextTerm << ", ";
27        }
28        return 0;
29    }
```

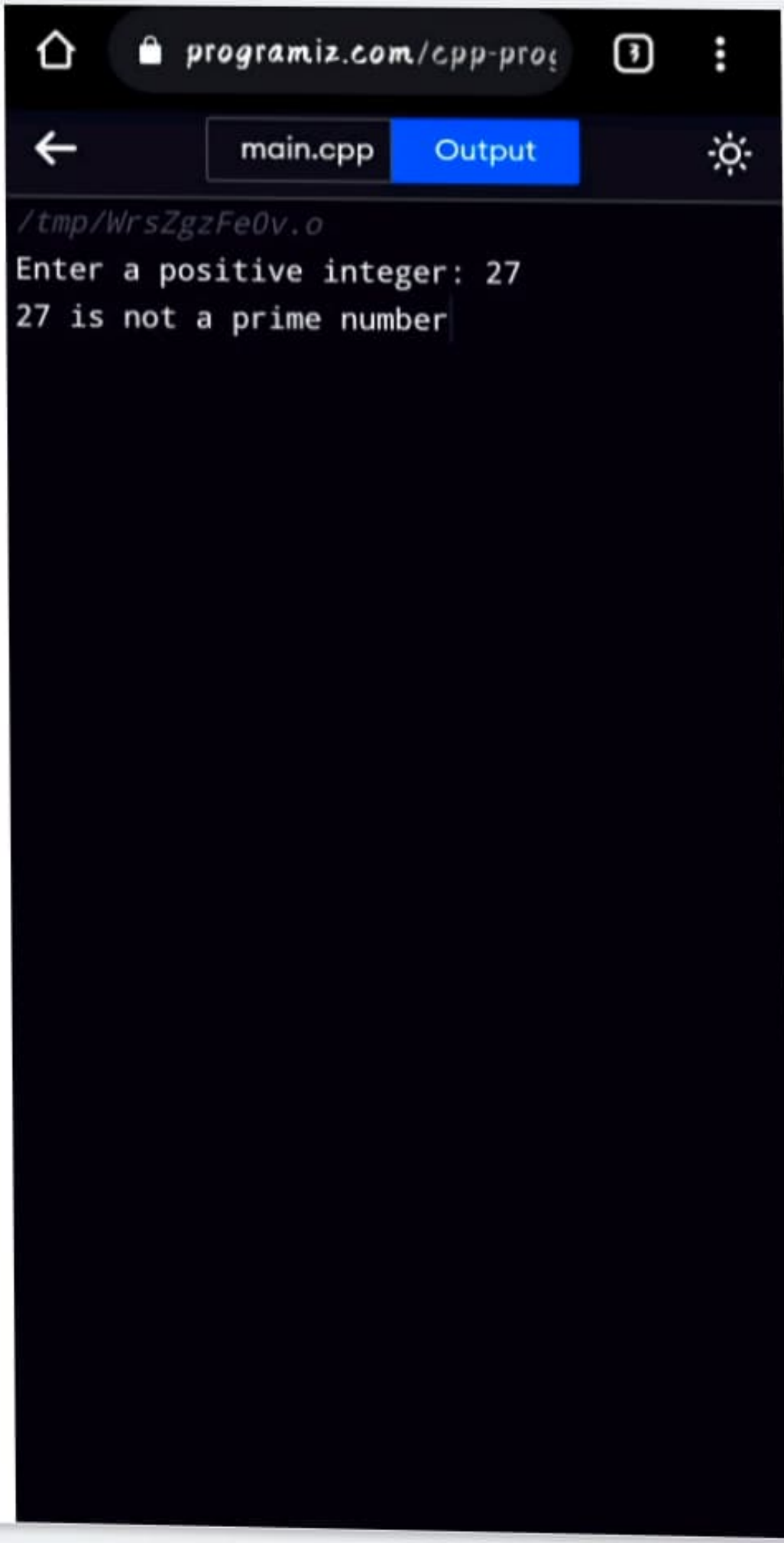
Run


Programiz
C++ Online Compiler
Learn Python
main.cpp
Output
/tmp/WrsZgzFe0v.o
Enter the number of terms: 12
Fibonacci Series: 0, 1, 1, 2, 3, 5, 8, 13
, 21, 34, 55, 89,


programiz.com/cpp-pro
main.cpp
Output
#include <iostream>
using namespace std;
int main() {
int i, n;
bool isPrime = true;
cout << "Enter a positive integer: ";
cin >> n;
// 0 and 1 are not prime numbers
if (n == 0 || n == 1) {
isPrime = false;
}
else {
for (i = 2; i <= n / 2; ++i) {
if (n % i == 0) {
isPrime = false;
break;
}
}
}
if (isPrime)
Run

```
24              cout << n << " is a prime
                    number";
25          else
26              cout << n << " is not a
                    prime number";
27
28          return 0;
29      }
30
```

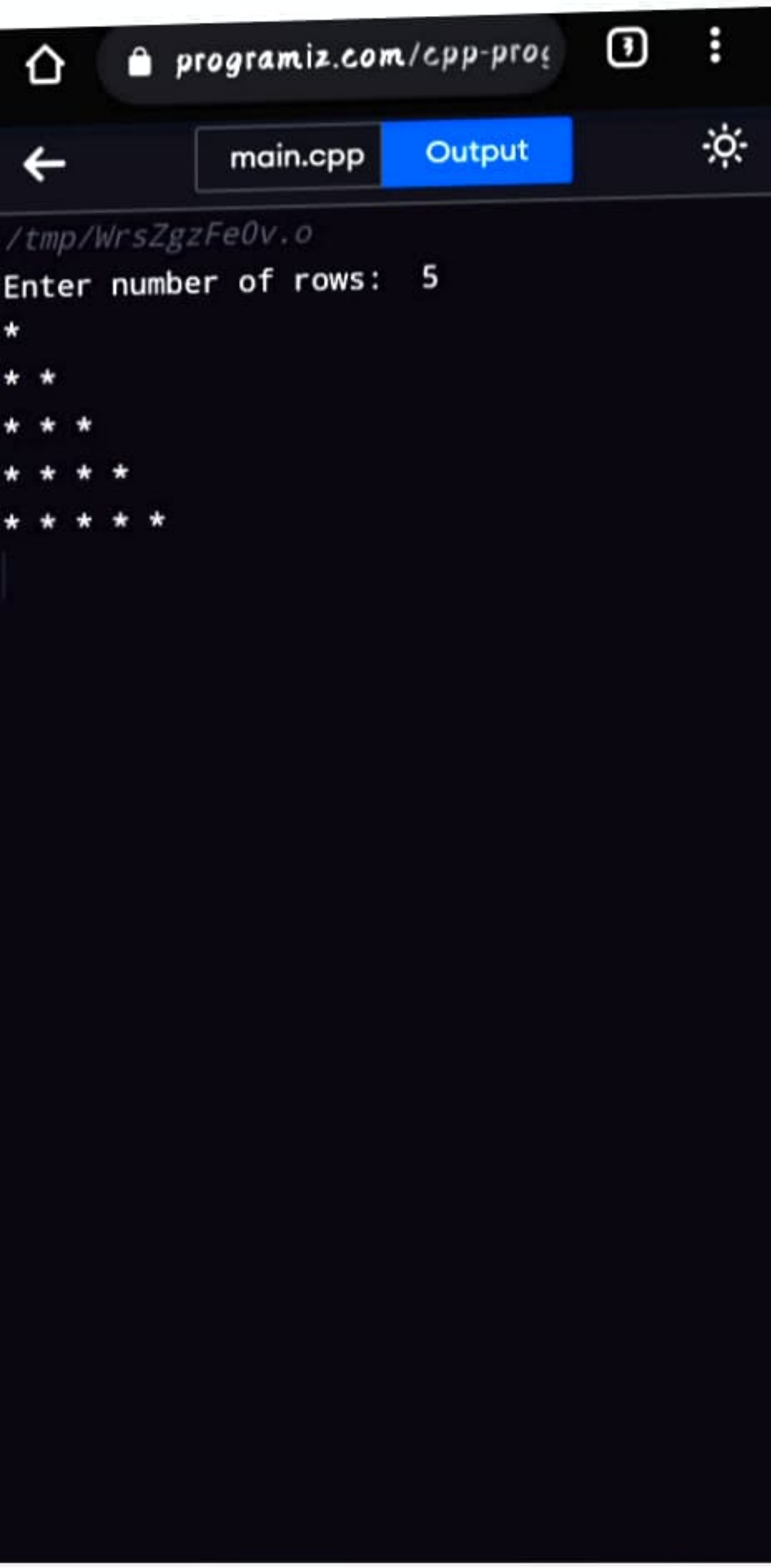
Run


programiz.com/cpp-pro
main.cpp
Output
/tmp/WrsZgzFe0v.o
Enter a positive integer: 27
27 is not a prime number

main.cpp | Output

```cpp
#include <iostream>
using namespace std;
int main()
{
int  i, j, n;
cout << "Enter number of rows:  ";
cin >> n;
for(i = 1; i <= n; i++)
{
for(j = 1; j <= i; j++)
{
cout << "* ";
}
//Ending line after each row
cout << "\n";
}
return 0;
}
```

Run


programiz.com/cpp-pro
main.cpp
Output
/tmp/WrsZgzFe0v.o
Enter number of rows: 5
*
* *
* * *
* * * *
* * * * *

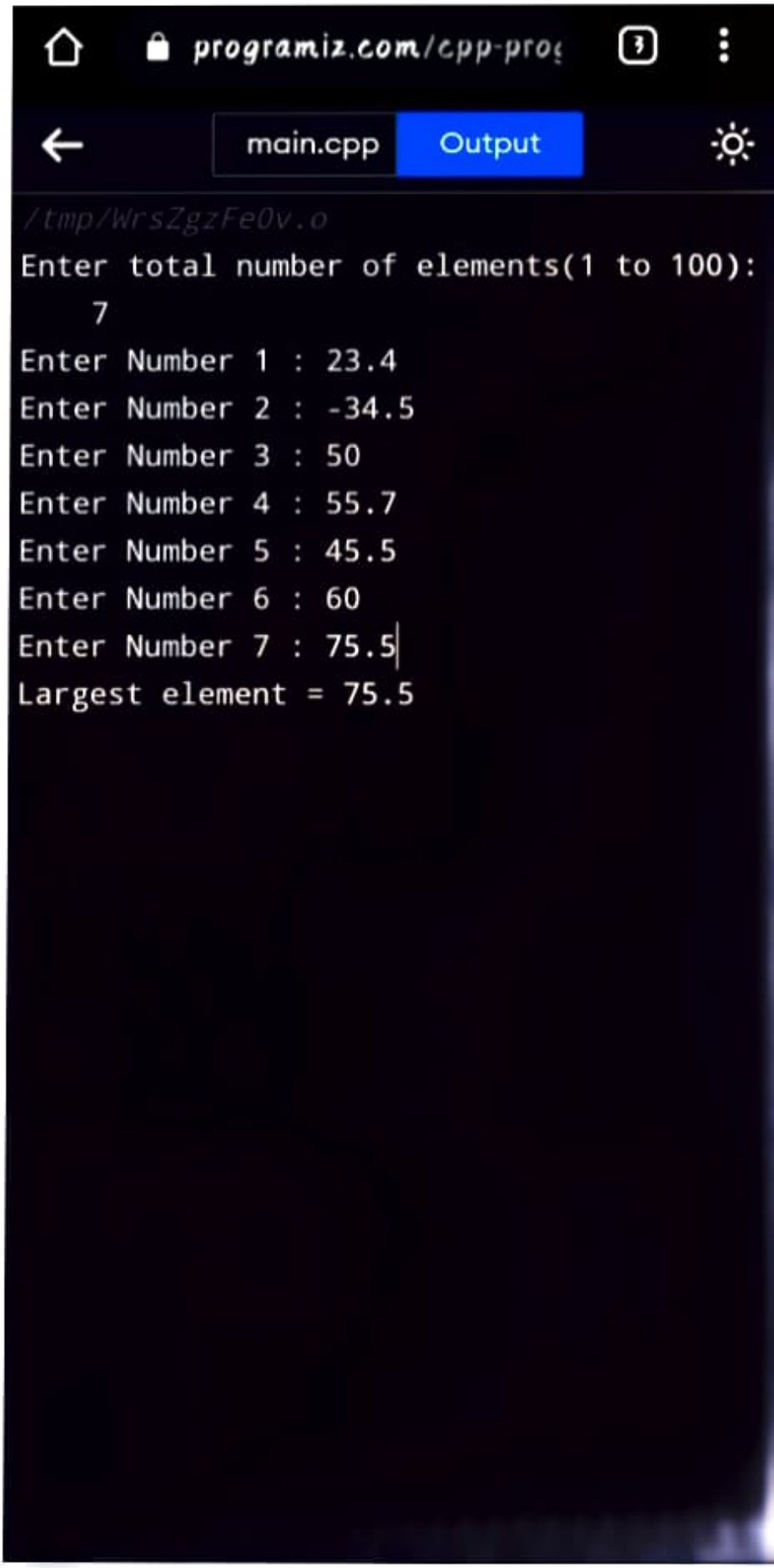
main.cpp | Output

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

int main()
{
    int i, n;
    float arr[100];

    cout << "Enter total number of
        elements(1 to 100): ";
    cin >> n;
    cout << endl;

    // Store number entered by the
        user
    for(i = 0; i < n; ++i)
    {
        cout << "Enter Number " << i
            + 1 << " : ";
        cin >> arr[i];
    }

    // Loop to store largest number
        to arr[0]
    for(i = 1;i < n; ++i)
    {
```

Run

```
23          // Change < to > if you want
                to find the smallest
                element
24          if(arr[0] < arr[i])
25              arr[0] = arr[i];
26      }
27      cout << "Largest element = " <<
            arr[0];
28
29      return 0;
30  }
```

Run


programiz.com/cpp-pro
main.cpp
Output
/tmp/WrsZgzFe0v.o
Enter total number of elements(1 to 100):
7
Enter Number 1 : 23.4
Enter Number 2 : -34.5
Enter Number 3 : 50
Enter Number 4 : 55.7
Enter Number 5 : 45.5
Enter Number 6 : 60
Enter Number 7 : 75.5
Largest element = 75.5