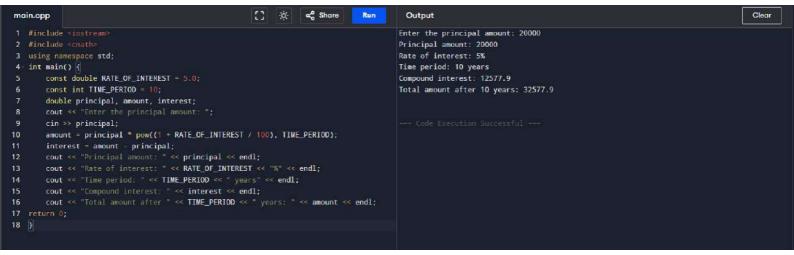
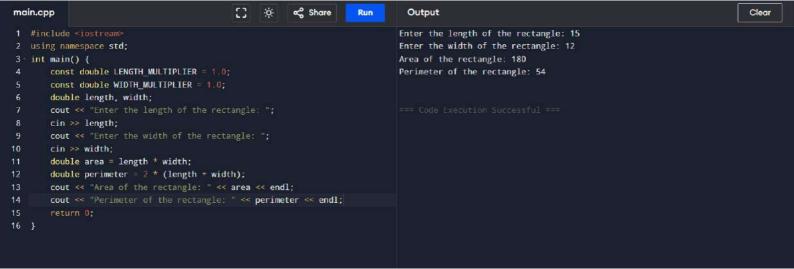




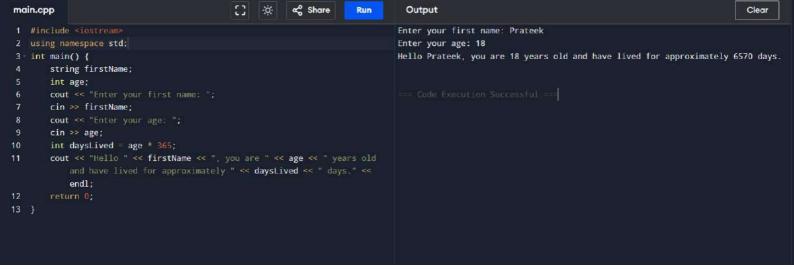
```
Clear
                                                                  Run
 main.cpp
                                                                                                           Output
                                                                                                         Enter first number: 5
                                                                                                         Enter second number: 2
 3 int main() {
        double num1, num2;
                                                                                                         Result: 2.5
         char op;
cout << "Enter first number: ";
cin >> num1;
cout << "Enter second number: ";
         cin >> num2;
cout << "Enter operator (+, -, *, /): ";
          switch(op) {
                 cout << "Result: " << num1 - num2 << end1;</pre>
              case '*':
    cout << "Result: " << num1 * num2 << end1;</pre>
                  if(num2 != 0)
    cout << "Result: " << num1 / num2 << end1;</pre>
                 cout << "Error! Division by zero." << endl;
break;
                  cout << "Invalid operator!" << endl;</pre>
31 return 0;
32 }
```

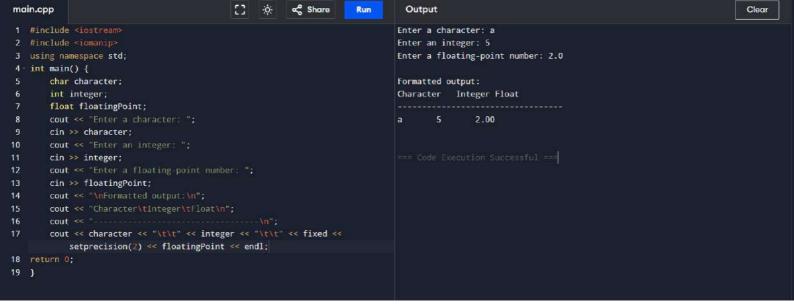
```
main.cpp
                                                                    ∝ Share
                                                                                   Run
                                                                                                Output
                                                                                                                                                                                    Clear
1 #include <iostream>
2 #include <iomanip>
3 using namespace std;
                                                                                              Enter first number: 5
                                                                                              Enter second number: 2
                                                                                              Enter operator (+, -, *, /): +
4 int main() {
                                                                                              Result: 7
        float num1, num2;
        cin >> num1;
8
         cout << "Enter the second floating-point number: ";</pre>
         cin >>> num2;
         if (num2 != 0) {
            float result = num1 / num2;
cout << fixed << setprecision(2);</pre>
            cout << "The division result is: " << result << endl;</pre>
             cout << "Error: Division by zero is not allowed!" << endl;</pre>
```



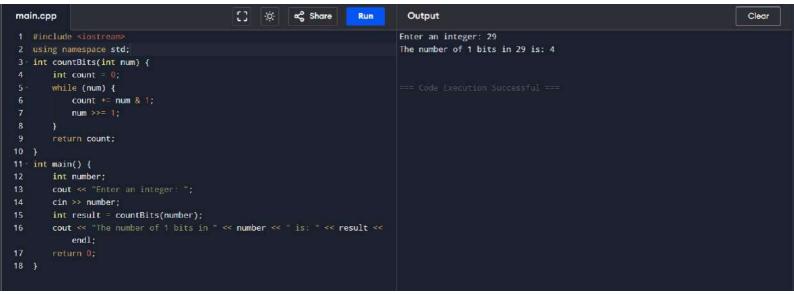


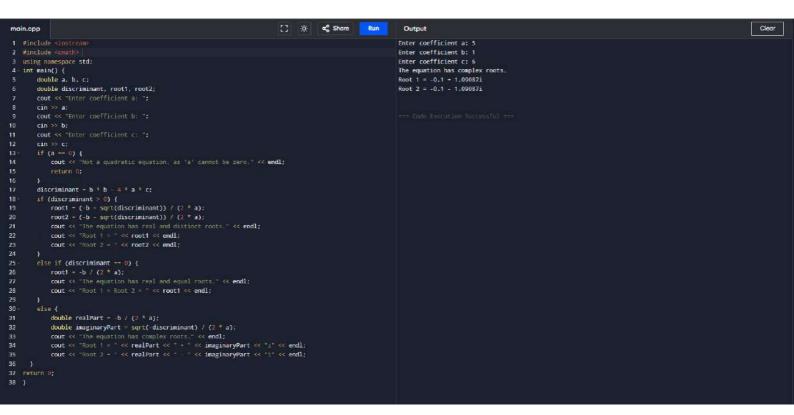
```
Run
main.cpp
                                                          [] 🔅
                                                                         ∞ Share
                                                                                                        Output
                                                                                                                                                                                                 Clear
                                                                                                     Enter first number: 5
                                                                                                     Enter second number: 8
                                                                                                     After swapping using a temporary variable:
3 int main() {
        double num1, num2;
                                                                                                     First number: 8
                                                                                                     Second number: 5
         cin >> num1;
                                                                                                     After swapping without using a temporary variable:
         cout << "Enter second number: ";</pre>
                                                                                                     First number: 5
         cin >> num2;
                                                                                                     Second number: 8
         double temp = num1;
         num1 = num2;
         num2 = temp;
         cout << "After swapping using a temporary variable:" << endl;
cout << "First number: " << num1 << endl;
cout << "Second number: " << num2 << endl;</pre>
         num1 = num1 + num2;
num2 = num1 - num2;
num1 = num1 - num2;
         cout << "After swapping without using a temporary variable:" << endl;</pre>
         cout << "First number: " << num1 << end1;
cout << "Second number: " << num2 << end1;</pre>
```

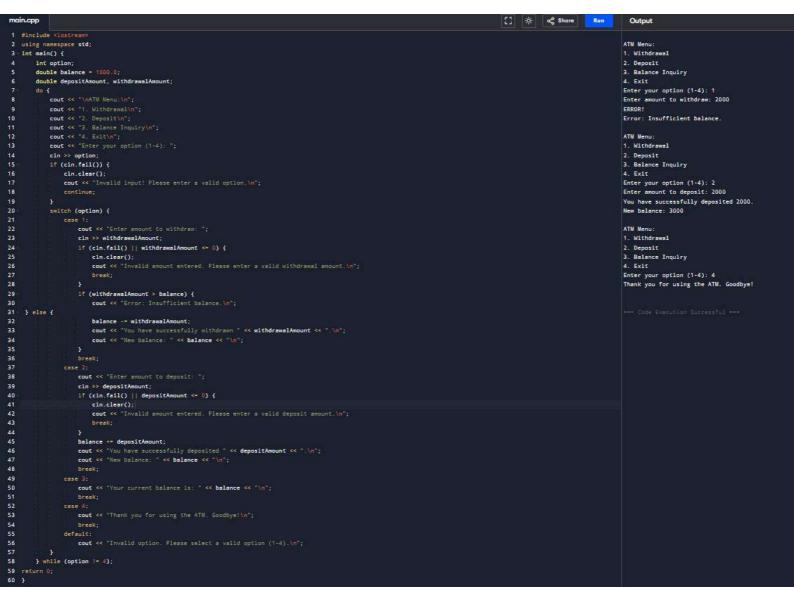


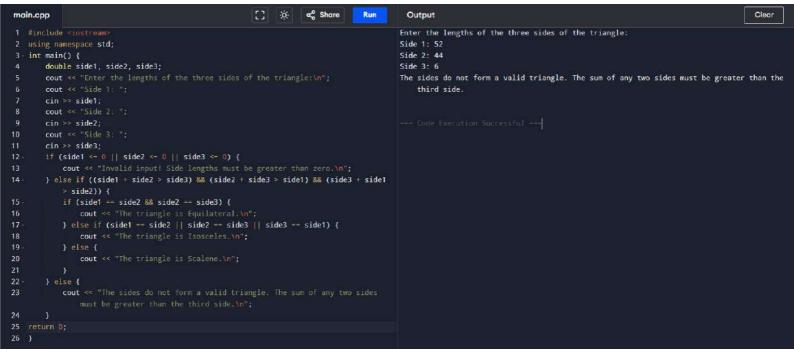


```
main.cpp
                                                []
                                                           ∝ Share
                                                                          Run
                                                                                    Output
                                                                                                                                                             Clear
                                                                                   Enter the first integer: 25
2 using namespace std;
                                                                                   Enter the second integer: 32
                                                                                   25 is not a multiple of 32.
4 int main() {
       int num1, num2;
        cout << "Enter the first integer: ";</pre>
        cin >> num1;
        cout << "Enter the second integer: ";</pre>
        cin >> num2;
        if (num2 != 0 && num1 % num2 == 0) {
10
        cout << num1 << " is a multiple of " << num2 << "." << endl;
} else if (num2 == 0) {</pre>
           cout << "Error: Division by zero is not allowed!" << endl;</pre>
        cout << num1 << " is not a multiple of " << num2 << "." << endl;</pre>
```









```
[] 🔅 📽 Share
                                                                                                                                                                              Clear
                                                                                Run
                                                                                             Output
main.cpp
1 #include <iostream>
2 using namespace std;
                                                                                           Enter value for a: 65
                                                                                           Enter value for b: 84
3 int main() {
                                                                                           Enter value for c: 25
                                                                                           Enter value for d: 66
        cout << "Enter value for a: ";</pre>
                                                                                           The result of the expression (a^2 * b + c & d) is: 354900
       cout << "Enter value for b: ";</pre>
        cout << "Enter value for c: ";</pre>
        cout << "Enter value for d: ";</pre>
      int result = (a * a * b) + (c & d);
cout << "The result of the expression (a² * b + c & d) is: " << result</pre>
          << endl;</pre>
```