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main.cpp

Run Clear

```
1 #include <iostream>
2 using namespace std;
3
4 class Car {
5 public:
6     string brand;
7     string model;
8 };
9
10 int main() {
11     Car car1;
12     car1.brand = "Toyota";
13     car1.model = "Innova";
14
15     Car car2;
16     car2.brand = "BMW";
17     car2.model = "X5";
18
19     cout << "Car 1: " << car1.brand << " " << car1.model << endl;
20     cout << "Car 2: " << car2.brand << " " << car2.model << endl;
21
22     return 0;
23 }
```

Output

Car 1: Toyota Innova
Car 2: BMW X5

==== Code Execution Successful ===

Search          32°C Mostly cloudy  ENG 13:00

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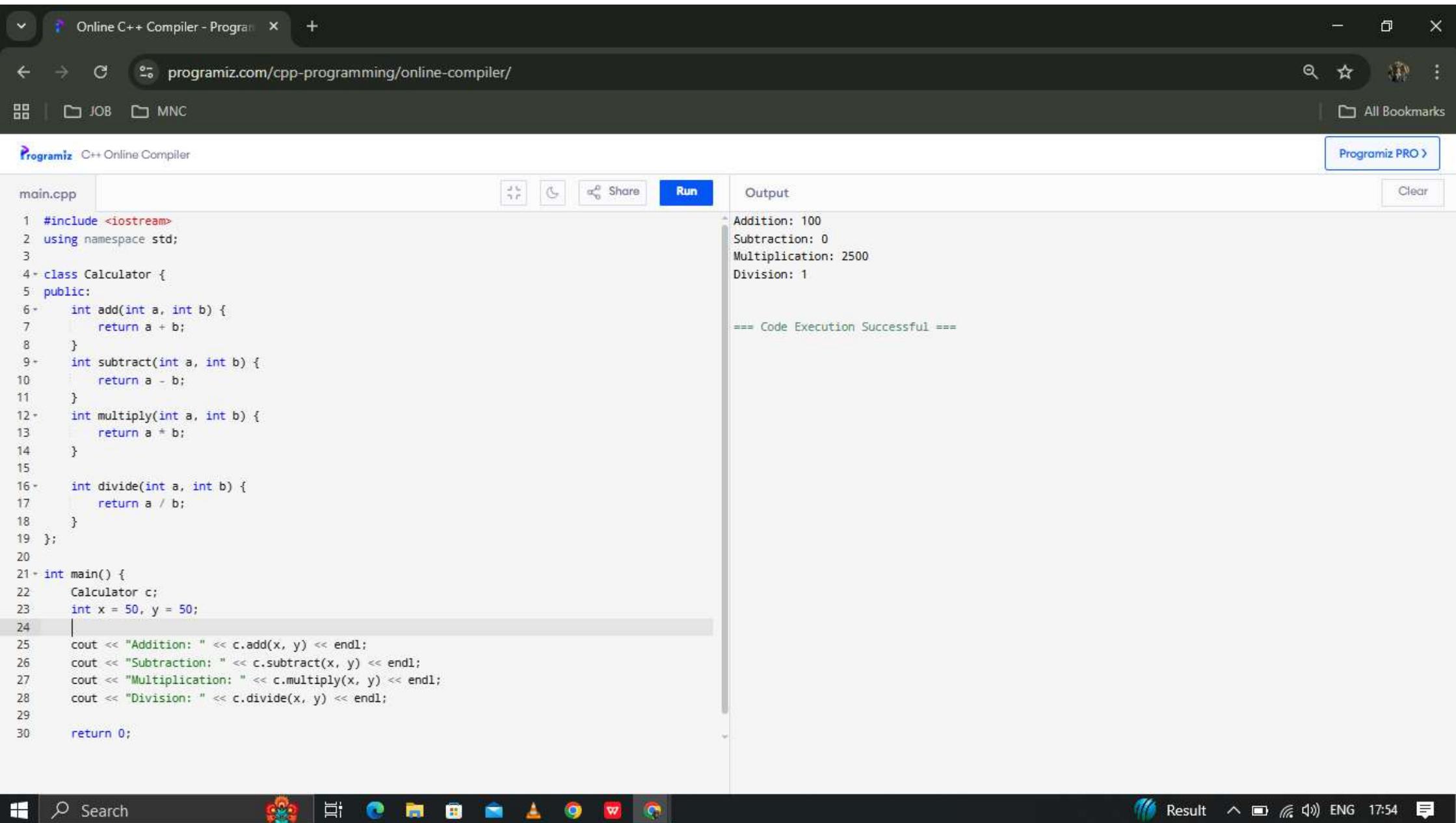
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```
main.cpp Output
1 #include <iostream>
2 using namespace std;
3
4 class Student {
5 public:
6     string name;
7     int roll_number;
8
9 Student(string n, int r) {
10    name = n;
11    roll_number = r;
12 }
13
14 void display() {
15     cout << "Name: " << name << endl;
16     cout << "Roll Number: " << roll_number << endl;
17 }
18 };
19
20 int main() {
21    Student s1("Shruti", 100);
22    Student s2("Sri", 200);
23
24    cout << "Student 1 details:" << endl;
25    s1.display();
26    cout << "\nStudent 2 details:" << endl;
27    s2.display();
28
29    return 0;
30 }
```

Output

```
Student 1 details:  
Name: Shruti  
Roll Number: 100  
  
Student 2 details:  
Name: Sri  
Roll Number: 200  
  
== Code Execution Successful ==
```

Search Sunset coming ENG 17:53



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Clear

main.cpp

```
1 #include <iostream>
2 using namespace std;
3
4 class BankAccount {
5 private:
6     double balance = 0;
7
8 public:
9     void deposit(int amt) {
10         balance += amt;
11         cout << "Deposited: " << amt << endl;
12     }
13     void withdraw(int amt) {
14         balance -= amt;
15         cout << "Withdrawn: " << amt << endl;
16     }
17     void checkBalance() {
18         cout << "Current Balance: " << balance << endl;
19     }
20 };
21
22 int main() {
23     BankAccount acc;
24     acc.deposit(1000);
25     acc.withdraw(500);
26     acc.checkBalance();
27     return 0;
28 }
```

Output

```
Deposited: 1000
Withdrawn: 500
Current Balance: 500

*** Code Execution Successful ***
```

Search         Result     ENG 17:55

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main.cpp

```
1 #include <iostream>
2 using namespace std;
3
4 class Animal {
5 public:
6     void sound() {
7         cout << "Some animal sound" << endl;
8     }
9 };
10
11 class Dog : public Animal {
12
13 public Animal {
14 public:
15     void sound() { cout << "Woof! Woof!" << endl;
16     }
17 };
18
19 class Cat : public Animal {
20
21 public Animal {
22 public:
23     void sound() { cout << "Meow! Meow!" << endl;
24     }
25 };
26
27 int main() {
28     Dog d;
29     Cat c;
30     d.sound();
31     c.sound();
32     return 0;
33 }
```

Run

Output

```
Woof! Woof!
Meow! Meow!
==> Code Execution Successful ==>
```

Clear

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Result ENG 17:55

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```
main.cpp
```

1 #include <iostream>
2 using namespace std;
3
4 class Shape {
5 public:
6 void area(){
7 cout<<"Area of Shape"<<endl;
8 }
9 };
10 class Circle:
11 public Shape {
12 public:
13 void area(){
14 cout<<"Circle Area: "<<3.14*5*5<<endl;
15 }
16 };
17 class Rectangle:
18 public Shape {
19 public:
20 void area(){
21 cout<<"Rectangle Area: "<<4*6<<endl;
22 }
23 };
24 int main() {
25 Circle c;
26 Rectangle r;
27 c.area();
28 r.area();
29 }

Run Output

```
Circle Area: 78.5  
Rectangle Area: 24  
==== Code Execution Successful ===
```

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Clear

main.cpp

```
1 #include <iostream>
2 using namespace std;
3
4 class Vehicle {
5     public:
6     void drive() {
7         cout<<"Vehicle is moving"<<endl;
8     }
9 };
10 class Car:
11 public Vehicle {
12
13     public:
14     void drive(){
15         cout<<"Driving a Car"<<endl;
16     }
17 };
18 class Bike:public Vehicle {
19 public: void drive(){
20     cout<<"Riding a Bike"<<endl;
21 }
22 };
23 int main() {
24     Car c;
25     Bike b;
26     c.drive();
27     b.drive();
28 }
```

Run

Output

```
Driving a Car
Riding a Bike

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

Search

Avatar: Fire and Ash ... ENG 17:57

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main.cpp

Run Clear

```
1 #include <iostream>
2 using namespace std;
3
4 class Maths {
5 public:
6     int multiply(int a, int b) {
7         return a * b;
8     }
9     int multiply(int a, int b, int c) {
10        return a * b * c;
11    }
12 };
13
14 int main() {
15     Maths m;
16     cout << "Multiply 2 numbers: " << m.multiply(10, 10) << endl;
17     cout << "Multiply 3 numbers: " << m.multiply(10, 20, 4) << endl;
18     return 0;
19 }
```

Output

```
Multiply 2 numbers: 100
Multiply 3 numbers: 800
--- Code Execution Successful ---
```

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main.cpp

```
1 #include <iostream>
2 using namespace std;
3 class Employee {
4 public:
5     void work() {
6         cout << "Employee is working" << endl; }
7 }
8
9 class Manager : public Employee {
10 public:
11     void work() {
12         cout << "Manager is managing the team" << endl; }
13 }
14
15 int main() {
16     Employee e;
17     Manager m;
18     e.work();
19     m.work();
20     return 0;
21 }
```

Output

Employee is working
Manager is managing the team

==== Code Execution Successful ===

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main.cpp

```
1 #include <iostream>
2 #include <vector>
3 using namespace std;
4
5 class Library {
6     vector<string> books;
7 public:
8     void add(string book){
9         books.push_back(book);
10        cout<<book<<" added\n";
11    }
12
13    void remove(string book){
14        int i, found=0;
15        for(i=0;i<books.size();i++)
16            if(books[i]==book){
17                books.erase(books.begin()+i);
18                cout<<book<<" removed\n"; found=1; break;
19            }
20        if(!found) cout<<book<<" not found\n";
21    }
22
23    void show(){
24        cout<<"Books in library:\n"; for(string b:books) cout<<"- "<<b<<endl;
25    }
26 };
27 int main(){
28     Library lib;
29     lib.add("C++ Basics");
30     lib.add("OOP Concepts");
31     lib.show();
32     lib.remove("C++ Basics");
33     lib.show();
34 }
```

Run

Output

```
Employee is working
Manager is managing the team
==== Code Execution Successful ===
```

Clear

Search

Rain tonight

ENG 18:01