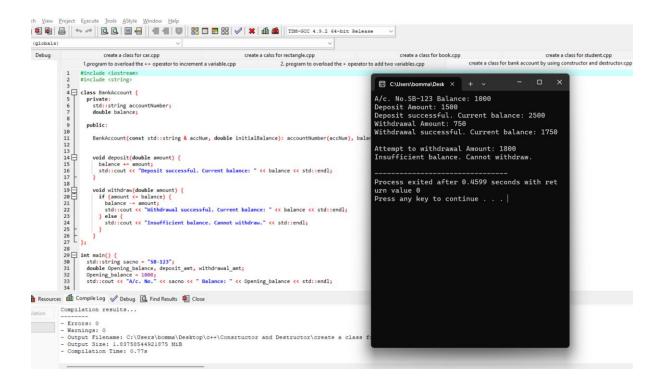
1. Write a c++ program to create a class for a bank account with a constructor and a destructor



2. Write a c++ program to create a class for a car with a constructor and a destructor

```
1.program to overload the ++ operator to increment a variable.cpp 2. program to overload create a class for car.cpp create a class for rectangle.cpp
                                                                                                                                                                                                                                                            2. program to overload the + operator to add two variables.cpp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                create a class for bank account by using constructor and destructor.cpp
          #include <iostream>
#include <string>
        3
4  class Car {
private:
5  std::string brand;
7  std::string model;
8  int year;
                                                                                                                                                                                                                                                                                                                                                                                                  C:\Users\bomma\Desktop\c+ × + v
                                                                                                                                                                                                                                                                                                                                                                                              Creating a car object.
Brand: Toyota
Model: Corolla
Year: 2022
   public:

// Constructor
Car (std::string brand, std::string mode atd::string brand, std::string mode atd::string mode atd::std::cout << "Creating a car object"

// Destructor
// Destructor
// Estructor
// Estructor
// Estructor
// Estructor
// Std::cout << "Destroying a car object atd::cout << "Destroying a car object atd::cout << "Destroying a car object atd::cout << "Brand: " << brand <</ri>
// Estructor
// Std::cout << "Brand: " << brand <</ri>
// Estructor
// Std::cout << "Brand: " << brand <</ri>
// Estructor
// Std::cout << "Whodel: " << brand <</ri>
// Estructor
// Std::cout << "Whodel: " << brand <</ri>
// Estructor
// Std::cout << "Whodel: " << brand <</ri>
// Estructor
// Std::cout << "Whodel: " << brand <</ri>
// Estructor
// Std::cout << "Whodel: " << brand </td>
// Post of the country of the 
                       public:
                                   // Constructor
Car(std:string brand, std::string model, int year) : brand(brand), model(model), year(year) {
    std::cout << "Creating a car object." << std::endl;</pre>
                                                                                                                                                                                                                                                                                                                                                                                              Destroying a car object.
                                         Process exited after 0.3887 seconds with return value 0
                                                                                                                                                                                                                                                                                                                                                                                                 Press any key to continue . . .
                                       void displayInfo() {
   std::cout << "Brand: " << brand << std::endl;
   std::cout << "Model: " << model << std::endl;
   std::cout << "Year: " << year << std::endl;</pre>
es 🋍 Compile Log 🤣 Debug 🚨 Find Results 🐉 Close
   Compilation results...
  ------
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\bomma\Desktop\c++\Consrtuctor and Destructor\create a class for car.exe
- Output Size: 1.83721256256104 MiB
- Compilation Time: 0.72s
```

3. Write a c++ program to create a class for a rectangle with a constructor and a destructor

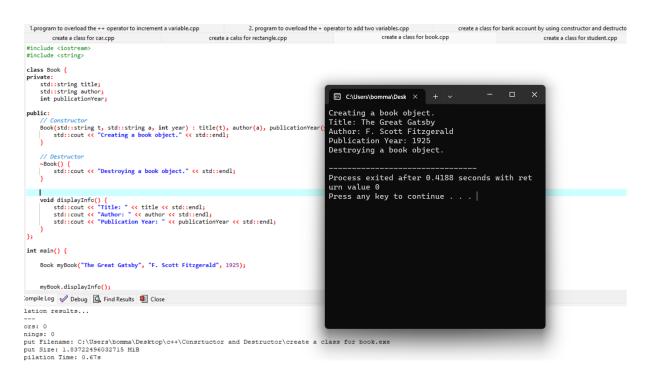
```
1.program to overload the ++ operator to increment a variable.cpp 2. program to overload the + operator to add two variables.cpp

create a class for rectangle.cpp

create a class for rectangle.cpp

create a class for rectangle.cpp
                                                                                                                                                                                create a class for bank account by using constructor and destructor.cpp
                                                                                                                                                                                                                        create a class for student.cpp
 class Rectangle {
private:
double length;
double width;
public:
public:
// Constructor
                                                                                                                        // Constructor
Rectangle(double len, double wid) : length(len), width(wid) {
   std::cout << "Creating a rectangle object." << std::endl;</pre>
                                                                                                                        Perimeter: 16
                                                                                                                        Destroying a rectangle object.
             // Destructor
~Rectangle() {
    std::cout << "Destroying a rectangle object." << std::endl;
}</pre>
                                                                                                                        Process exited after 0.4781 seconds with return value 0 Press any key to continue . . . \mid
             double calculateArea() {
   return length * width;
}
              double calculatePerimeter() {
   return 2 * (length + width);
            Rectangle myRectangle(5.0, 3.0);
            std::cout << "Area: " << myRectangle.calculateArea() << std::endl;</pre>
Close 🖉 Compile Log 🧳 Debug 🗓 Find Results 🐉 Close
Compilation results...
- Errors: 0
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\bomma\Desktop\c++\Consrtuctor and Destructor\create a calss for rectangle.exe
- Output Filename: C:\Users\1 87468260745456 MHR
```

4. Write a c++ program to create a class for a book with a constructor and a destructor



5. Write a c++ program to create a class for student with a constructor and a destructor