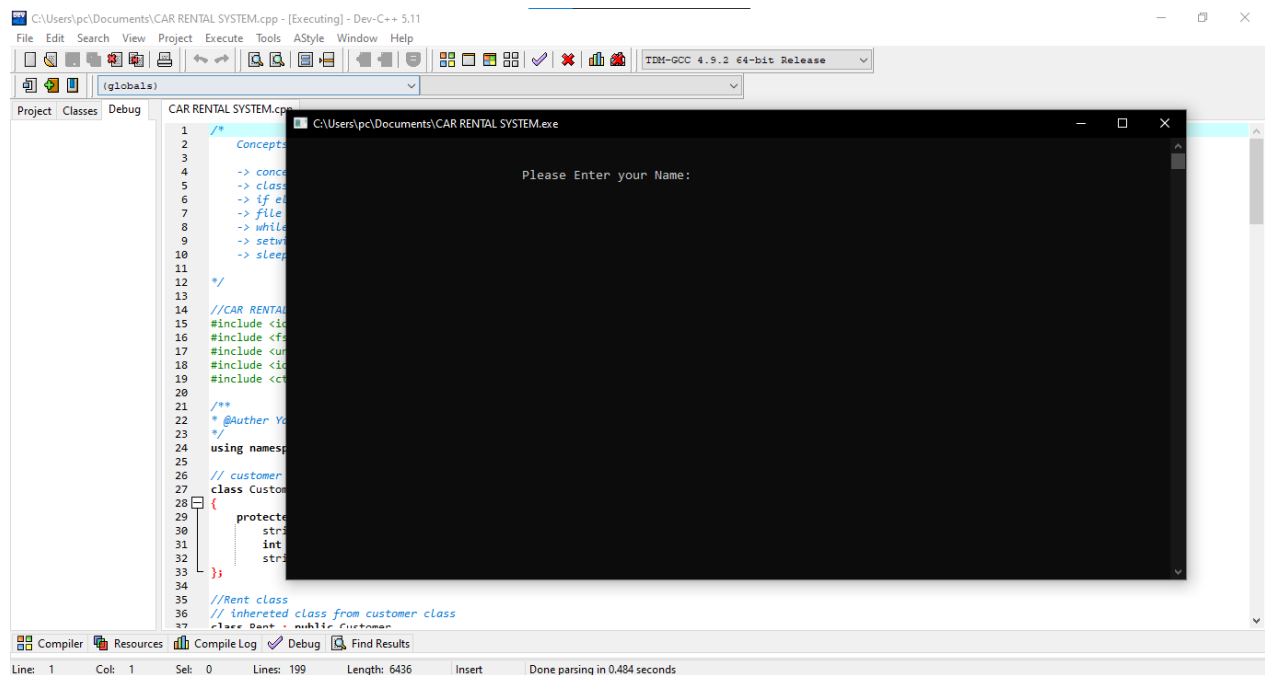
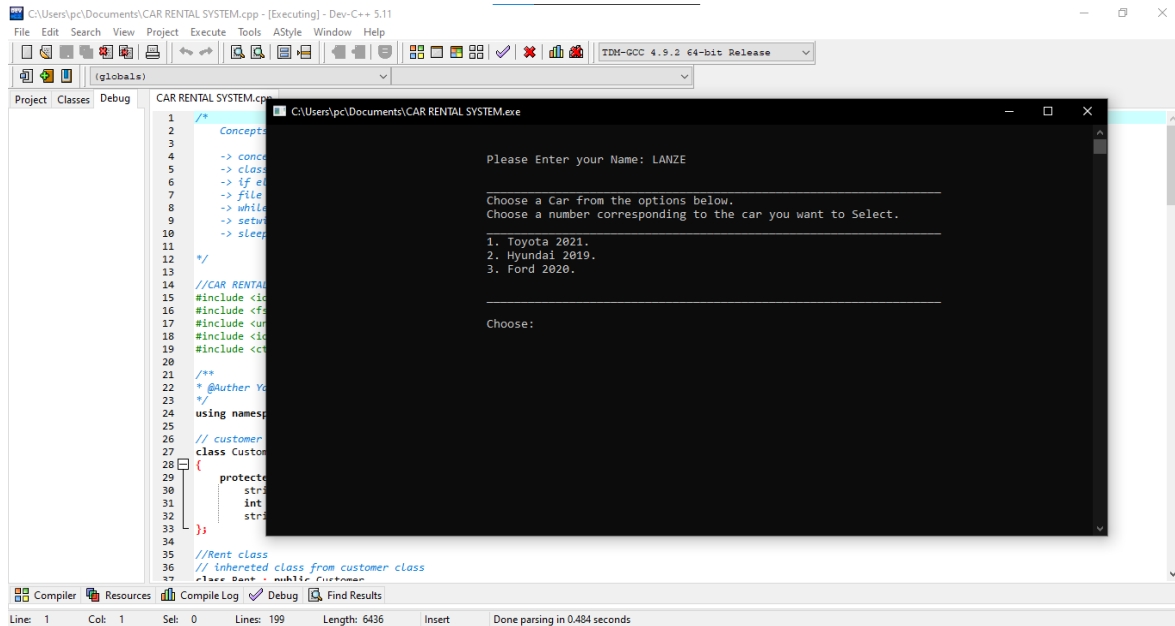


Hello, sir! Lanze Ruzzel A. Amil from DCET 2-1 here. This is a description of how my code works. I began with the application I was using, Dev C++. My code is already on github, and I've shared the link in our Microsoft Teams.

As you can see in the first image, it shows the client's name being filled in. Let me show you what happens after we finish filling out the name.



As we can see, three options are displayed. The "Toyota 2021," "Hyundai 2019," and "Ford 2020". I, by the way, am the seller. Let us begin with the "Ford 2020".



```
1  /*
2
3
4  -> conc
5  -> clas
6  -> if el
7  -> file
8  -> while
9  -> setu
10 -> sleep
11
12 */
13
14 //CAR RENTAL
15 #include <i
16 #include <f
17 #include <u
18 #include <i
19 #include <c
20
21 /**
22  * @Author Y
23  */
24 using namesp
25
26 // customer
27 class Custom
28 {
29     protect
30     str
31     int
32     str
33 }
34
35 //Rent class
36 // inherited class from customer class
37 class Rent : public Customer
```

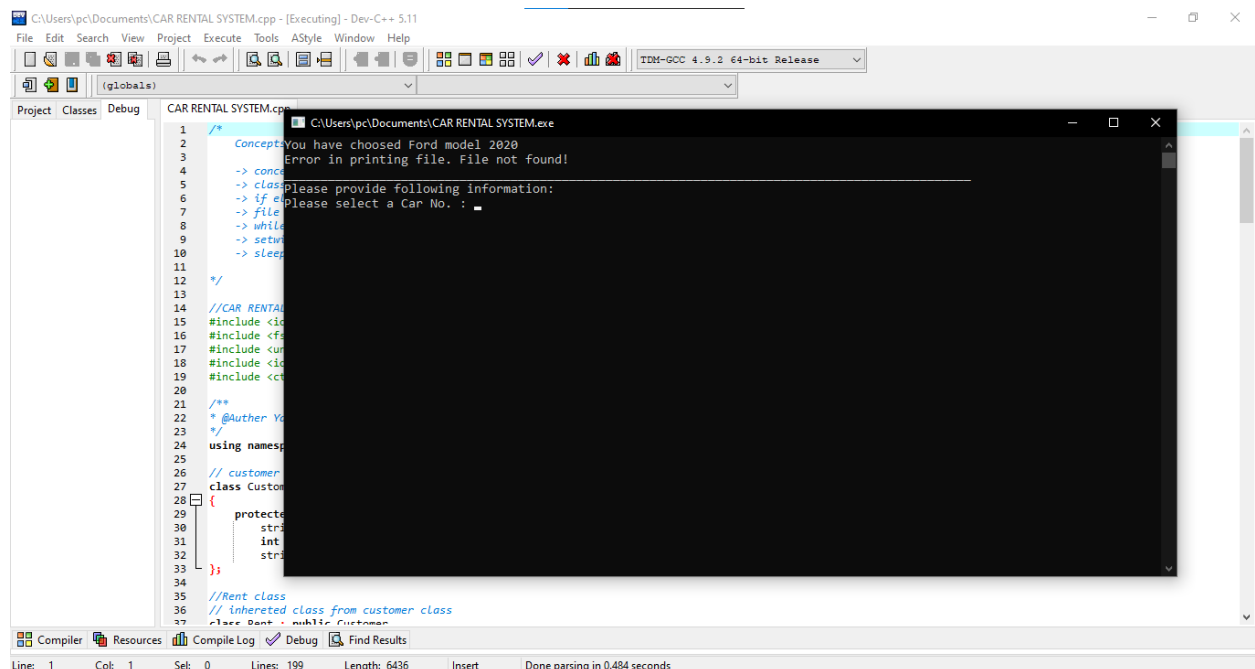
Please Enter your Name: LANZE

Choose a Car from the options below.
Choose a number corresponding to the car you want to Select.

1. Toyota 2021.
2. Hyundai 2019.
3. Ford 2020.

Choose:

Here's what happens if we select the "Ford 2020" option. We must supply the information. Let us now fill up the number of rental cars.



```
1  /*
2
3
4  -> conc
5  -> clas
6  -> if el
7  -> file
8  -> while
9  -> setu
10 -> sleep
11
12 */
13
14 //CAR RENTAL
15 #include <i
16 #include <f
17 #include <u
18 #include <i
19 #include <c
20
21 /**
22  * @Author Y
23  */
24 using namesp
25
26 // customer
27 class Custom
28 {
29     protect
30     str
31     int
32     str
33 }
34
35 //Rent class
36 // inherited class from customer class
37 class Rent : public Customer
```

You have choosed Ford model 2020

Error in printing file. File not found!

Please provide following information:

Please select a Car No. :

As seen in the image, you must also fill in the "number of days" you intend to use the rental car, so let's see what happens if I select 6 days.

The screenshot displays a C++ IDE with the following components:

- Top Menu Bar:** File, Edit, Search, View, Project, Execute, Tools, AStyle, Window, Help.
- Toolbar:** Includes icons for file operations (open, save, print), editing (undo, redo), and execution (run, debug).
- Project Explorer:** Shows a project named "CAR RENTAL SYSTEM.cpp" under the "globals" folder.
- Code Editor:** Contains the source code for "CAR RENTAL SYSTEM.cpp". The code includes comments in blue and C++ code in black. It defines a "Customer" class and a "Rent" class, and includes a main function that prompts the user for car model, car number, and rental days.
- Output Window:** Displays the execution results of the program. The output shows the user's input: "Ford model 2020", "Please select a Car No. : 1", and "Number of days you wish to rent the car : 6".
- Status Bar:** Shows the current line (1), column (0), and line count (199). It also indicates the program's length (6436) and the time taken for parsing (0.64 seconds).

Finally, we have the receipt for the rented car. As we can see, it displays the "days," "numbers," and "brands" of the cars we selected.

The screenshot shows a C++ program titled "CAR RENTAL SYSTEM.cpp" running in a terminal window. The program is compiled and executed on a Windows system using Dev-C++ 5.11. The terminal output displays the date and time of execution, followed by a title "CAR RENTAL - CUSTOMER INVOICE". A table of invoice details is shown, including Invoice No. #1001, Customer Name LANZE, Car Model 3, Car No. 1, Number of days 6, Rental Amount 1050, Caution Money 0, and Advanced 0. The total rental amount is R 1050. A note states: "NOTE: This is a computer generated invoice. It does not require an authorised signature. You are advised to pay up the amount before due date. Otherwise penalty fee will be applied". The program is waiting for a key press to continue.

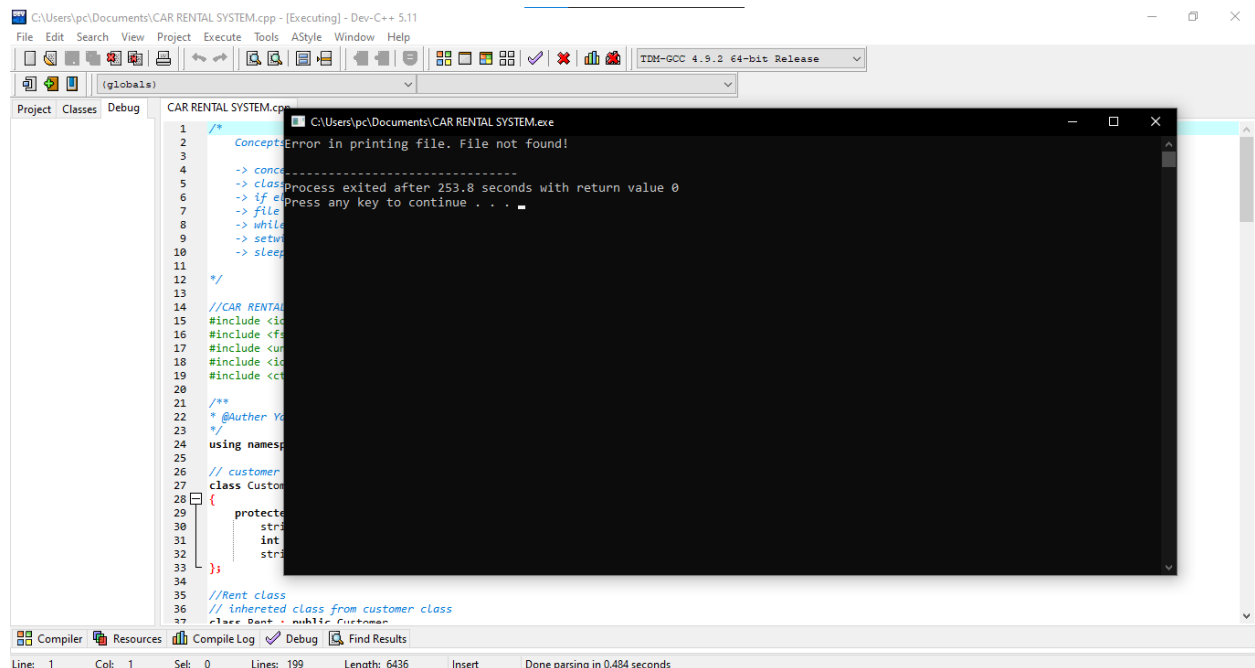
CAR RENTAL - CUSTOMER INVOICE	
Invoice No.	#1001
Customer Name	LANZE
Car Model	3
Car No.	1
Number of days	6
Rental Amount	1050
Caution Money	0
Advanced	0
Total Rental Amount	R 1050

NOTE: This is a computer generated invoice.
It does not require an authorised signature.

You are advised to pay up the amount before due date.
Otherwise penalty fee will be applied

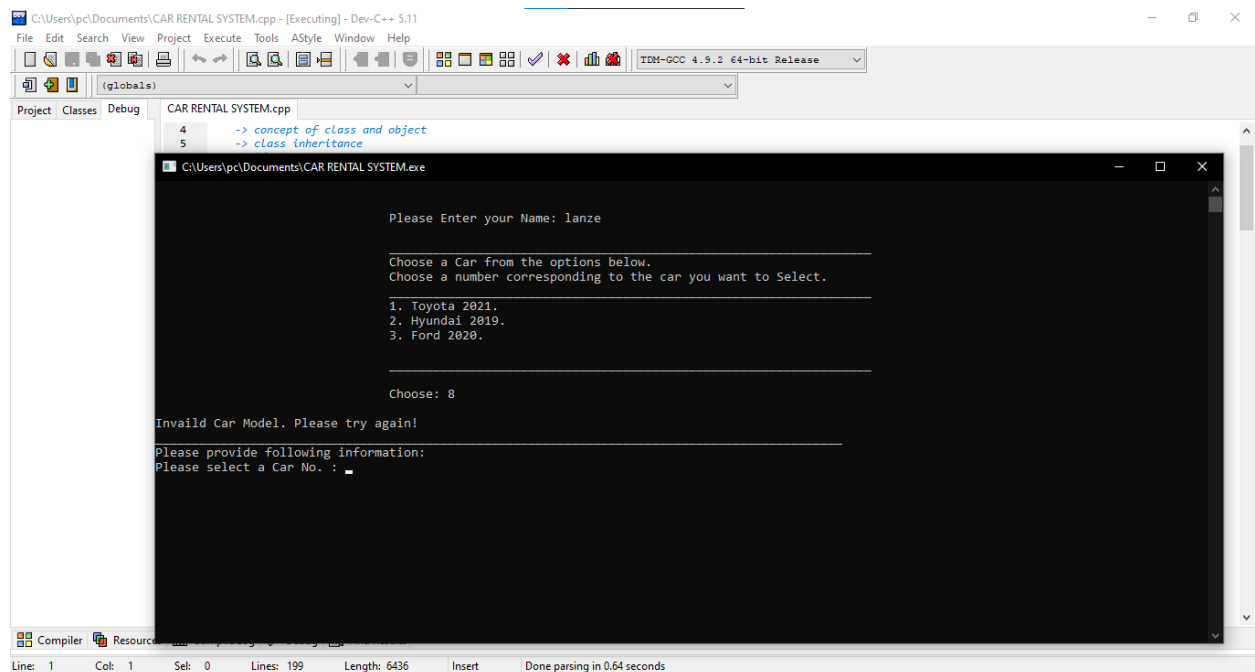
Press any key to continue . . .

As we can see, once we receive the receipt, the program has 253.8 seconds to exit automatically, and if we press any key, the program also shuts down.



```
1  // CAR RENTAL SYSTEM
2  // Concept of class and object
3
4  // class Customer
5  // class Rent
6  // if we press any key to continue . . .
7  // file
8  // while
9  // set
10 // sleep
11
12
13
14 // CAR RENTAL SYSTEM
15 #include <iostream>
16 #include <fstream>
17 #include <string>
18 #include <vector>
19 #include <ctime>
20
21 /**
22  * @Author Your Name
23  */
24 using namespace std;
25
26 // customer
27 class Customer
28 {
29     protected:
30     string name;
31     int age;
32     string address;
33 };
34
35 // Rent class
36 // inherited class from customer class
37 class Rent : public Customer
```

What happens if you type the wrong key in the program? It displays "invalid car model" and "please try again!" "



```
4  // concept of class and object
5  // class inheritance
6
7  // class Customer
8  // class Rent
9  // if we press any key to continue . . .
10 // file
11 // while
12 // set
13 // sleep
14
15
16
17 // CAR RENTAL SYSTEM
18 #include <iostream>
19 #include <fstream>
20 #include <string>
21 #include <vector>
22 #include <ctime>
23
24 /**
25  * @Author Your Name
26  */
27 using namespace std;
28
29 // customer
30 class Customer
31 {
32     protected:
33     string name;
34     int age;
35     string address;
36 };
37
38 // Rent class
39 // inherited class from customer class
40 class Rent : public Customer
```

This brings me to the end of my presentation. Have a good day!