

Third Year B. Tech (EL & CE)

Semester: V

Subject: Object-Oriented Programming Lab

Name: Shreerang Mhatre

Class: SY

Roll No: 52

Batch: A3

Experiment No: 01

Name of the Experiment: Classes and Objects

Performed on: 23/08/2023

Submitted on: 30/08/2023

Problem Statement:

Airline details format and its attributes

- 1) Name of the passenger
- 2) Age
- 3) Flight no
- 4) Departure time
- 5) location

Write a C++ code to accept and display the values of the passenger for the airline

```
Input: Enter the name of the Passenger: Shree
       Enter the age of the Passenger: 20
       Enter the Flight Number: 5674
       Enter the Departure Time: 5
       Enter the current source: pune
```

```
Output: Airline Details:
        Name: Shree
        Age: 20
        Flight No: 5674
        Departure Time: 5
        Source: pune
```

Code:

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

// Airline class to accept and display data
class airline{
private:
    string name;
    int age;
    int flight;
    int time;
    string source;

public:
    void readDeatails(); //Function to read data
    void displayDetails(); //Function to display data
};

// Accept the input values from the passenger
void airline::readDeatails() {
    cout<<"Enter the name of the Passenger: ";
    cin >> name;

    cout<<"Enter the age of the Passenger: ";
    cin >> age;

    cout<<"Enter the Flight Number: ";
    cin >> flight;

    cout<<"Enter the Departure Time: ";
    cin >> time;

    cout<<"Enter the current source: ";
    cin >> source;
}

//Display the accepted values in organized format
void airline::displayDetails() {
    cout << "Name: " << name << endl;
    cout << "Age: " << age << endl;
    cout << "Flight No: " << flight << endl;
    cout << "Departure Time: " << time << endl;
    cout << "Source: " << source << endl;
}

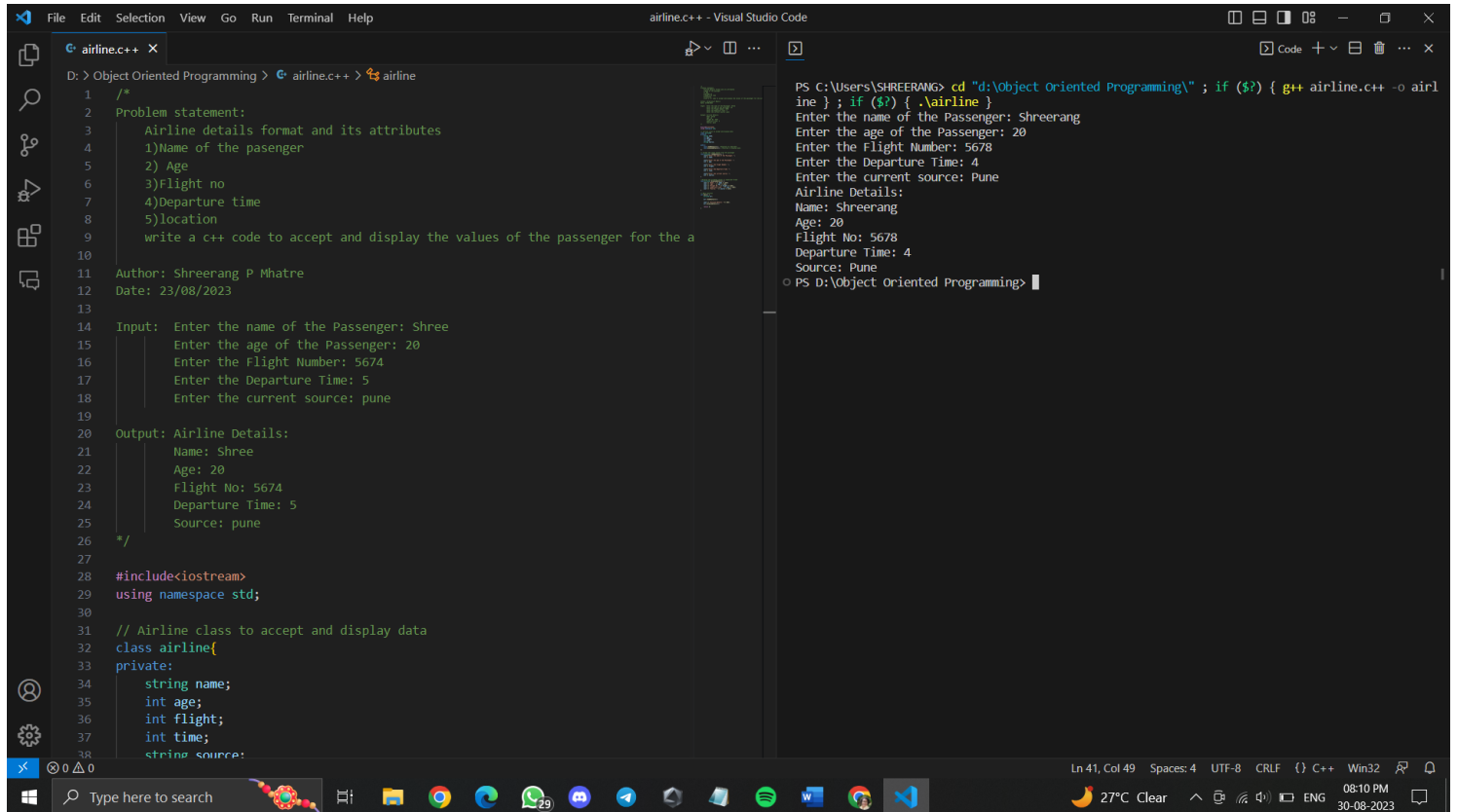
// Main function
int main() {
    airline air;
```

```
air.readDeetails();
```

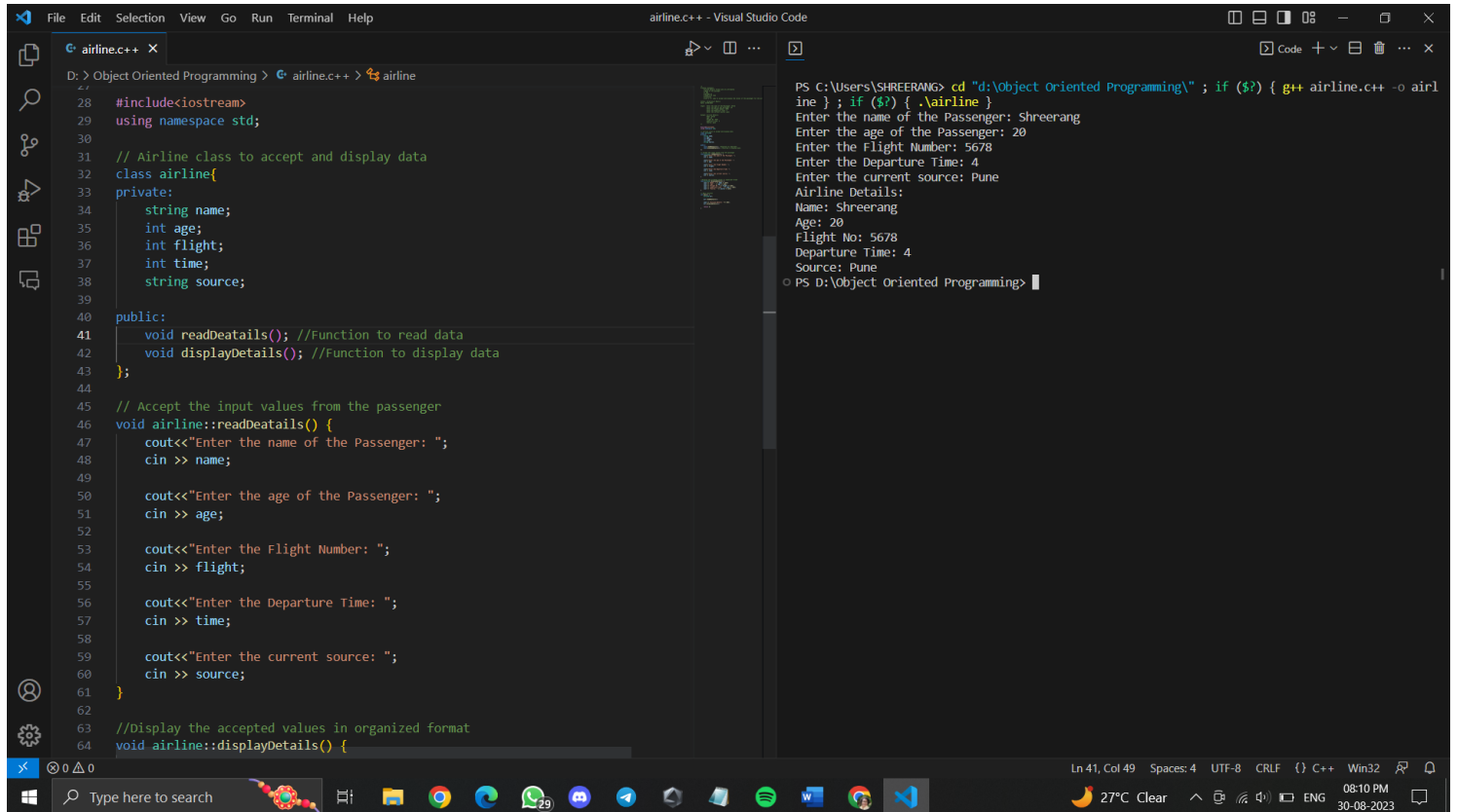
```
cout << "Airline Details: "<< endl;  
air.displayDetails();
```

```
return 0;
```

```
}
```



```
File Edit Selection View Go Run Terminal Help  
airline.c++ - Visual Studio Code  
airline.c++ X  
D:\> Object Oriented Programming > airline.c++ > airline  
1 /*  
2 Problem statement:  
3 Airline details format and its attributes  
4 1)Name of the pasenger  
5 2) Age  
6 3)Flight no  
7 4)Departure time  
8 5)location  
9 write a c++ code to accept and display the values of the passenger for the a  
10  
11 Author: Shreerang P Mhatre  
12 Date: 23/08/2023  
13  
14 Input: Enter the name of the Passenger: Shree  
15 Enter the age of the Passenger: 20  
16 Enter the Flight Number: 5674  
17 Enter the Departure Time: 5  
18 Enter the current source: pune  
19  
20 Output: Airline Details:  
21 Name: Shree  
22 Age: 20  
23 Flight No: 5674  
24 Departure Time: 5  
25 Source: pune  
26 */  
27  
28 #include<iostream>  
29 using namespace std;  
30  
31 // Airline class to accept and display data  
32 class airline{  
33 private:  
34 string name;  
35 int age;  
36 int flight;  
37 int time;  
38 string source;  
39  
40 public:  
41 void readDeetails();  
42 void displayDetails();  
43 };  
44  
45 int main(){  
46 airline obj;  
47 obj.readDeetails();  
48 obj.displayDetails();  
49 return 0;  
50 }  
51  
52 PS C:\Users\SHREERANG> cd "d:\Object Oriented Programming\" ; if ($?) { g++ airline.c++ -o airl  
ine } ; if ($?) { .\airline }  
Enter the name of the Passenger: Shreerang  
Enter the age of the Passenger: 20  
Enter the Flight Number: 5678  
Enter the Departure Time: 4  
Enter the current source: Pune  
Airline Details:  
Name: Shreerang  
Age: 20  
Flight No: 5678  
Departure Time: 4  
Source: Pune  
PS D:\Object Oriented Programming>
```



```

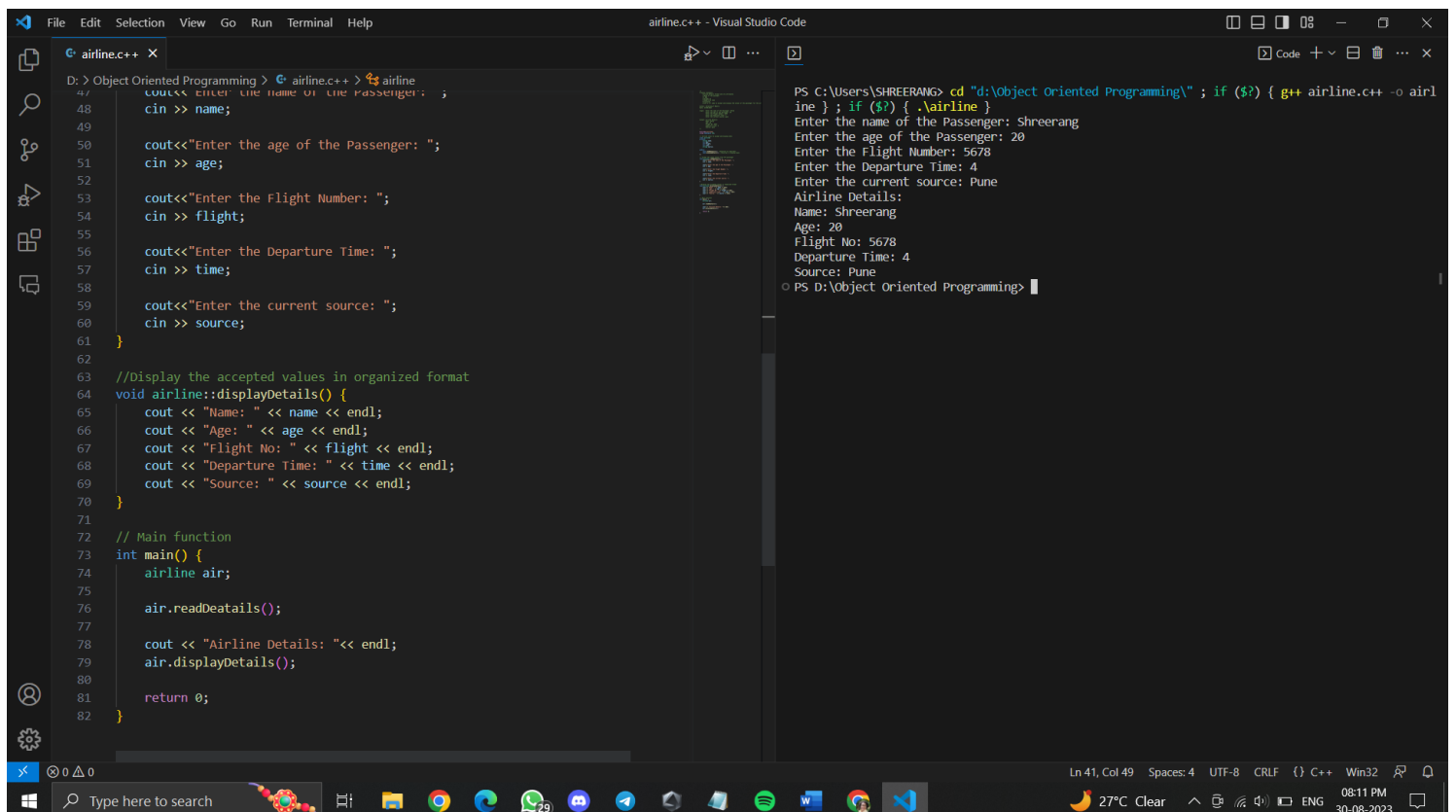
D:\> Object Oriented Programming > airline.c++ > airline
28 #include<iostream>
29 using namespace std;
30
31 // Airline class to accept and display data
32 class airline{
33 private:
34     string name;
35     int age;
36     int flight;
37     int time;
38     string source;
39
40 public:
41     void readDetails(); //Function to read data
42     void displayDetails(); //Function to display data
43 };
44
45 // Accept the input values from the passenger
46 void airline::readDetails() {
47     cout<<"Enter the name of the Passenger: ";
48     cin >> name;
49
50     cout<<"Enter the age of the Passenger: ";
51     cin >> age;
52
53     cout<<"Enter the Flight Number: ";
54     cin >> flight;
55
56     cout<<"Enter the Departure Time: ";
57     cin >> time;
58
59     cout<<"Enter the current source: ";
60     cin >> source;
61 }
62
63 //Display the accepted values in organized format
64 void airline::displayDetails() {

```

```

PS C:\Users\SHREERANG> cd "d:\Object Oriented Programming\"; if ($?) { g++ airline.c++ -o airline }; if ($?) { .\airline }
Enter the name of the Passenger: Shreerang
Enter the age of the Passenger: 20
Enter the Flight Number: 5678
Enter the Departure Time: 4
Enter the current source: Pune
Airline Details:
Name: Shreerang
Age: 20
Flight No: 5678
Departure Time: 4
Source: Pune
PS D:\Object Oriented Programming>

```



```

D:\> Object Oriented Programming > airline.c++ > airline
48 cout<<"Enter the name of the Passenger: ";
49     cin >> name;
50
51     cout<<"Enter the age of the Passenger: ";
52     cin >> age;
53
54     cout<<"Enter the Flight Number: ";
55     cin >> flight;
56
57     cout<<"Enter the Departure Time: ";
58     cin >> time;
59
60     cout<<"Enter the current source: ";
61     cin >> source;
62 }
63
64 //Display the accepted values in organized format
65 void airline::displayDetails() {
66     cout << "Name: " << name << endl;
67     cout << "Age: " << age << endl;
68     cout << "Flight No: " << flight << endl;
69     cout << "Departure Time: " << time << endl;
70     cout << "Source: " << source << endl;
71 }
72
73 // Main function
74 int main() {
75     airline air;
76
77     air.readDetails();
78
79     cout << "Airline Details: " << endl;
80     air.displayDetails();
81
82     return 0;
83 }

```

```

PS C:\Users\SHREERANG> cd "d:\Object Oriented Programming\"; if ($?) { g++ airline.c++ -o airline }; if ($?) { .\airline }
Enter the name of the Passenger: Shreerang
Enter the age of the Passenger: 20
Enter the Flight Number: 5678
Enter the Departure Time: 4
Enter the current source: Pune
Airline Details:
Name: Shreerang
Age: 20
Flight No: 5678
Departure Time: 4
Source: Pune
PS D:\Object Oriented Programming>

```



Dr. Vishwanath Karad

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