

## **A2 BATCH PRACTICAL**

### **OOPL ASSIGNMENT 1**

#### **PROBLEM STATEMENT:**

**Airline passenger information design cpp class to accept and display information for the airline. the following information needs to be displayed name,age,flight number,departure time, source**

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**\*/**

**#include <iostream> using**

**namespace std;**

**class Passenger {**

**public:**

**string name; // passenger name      int**

**age; // passenger age      string**

**flight\_number; // flight number      string**

**departure\_time; // departure time      string**

**source; // source**

**void get\_info(){**

```

        // Prompt user for passenger information

        cout << "Enter passenger name: ";

cin >> name;


        cout << "Enter passenger age: ";

cin >> age;


        cout << "Enter flight number: ";

cin >> flight_number;


        cout << "Enter departure time: ";

cin >> departure_time;


        cout << "Enter source: " ;

cin >> source;

    }


void show_info(){

    // Display passenger information        cout <<

"Passenger Information:" << endl;        cout << "Name: "

<< name << endl;        cout << "Age: " << age << endl;

cout << "Flight Number: " << flight_number << endl;

```

```
cout << "Departure Time: " << departure_time << endl;
```

```
cout << "Source: " << source << endl;
```

```
    }
```

```
};
```

```
int main() {
```

```
    Passenger passenger1;
```

```
    Passenger passenger2;
```

```
        passenger1.get_info();
```

```
    passenger2.get_info();
```

```
        passenger1.show_info();
```

```
    passenger2.show_info();
```

```
    return 0;
```

```
}
```

```

1 // Online C++ compiler to run C++ program online
2 #include <iostream>
3
4 #include <iostream>
5
6 using namespace std;
7
8 class Passenger {
9     public:
10         string name; // passenger name
11         int age; // passenger age
12         string flight_number; // flight number
13         string departure_time; // departure time
14         string source; // source
15
16         void get_info(){
17             // Prompt user for passenger information
18             cout << "Enter passenger name: ";
19             cin >> name;
20
21             cout << "Enter passenger age: ";
22             cin >> age;
23
24             cout << "Enter flight number: ";
25             cin >> flight_number;
26
27             cout << "Enter departure time: ";

```

/tmp/JD7QWdk2go.o

```

Enter passenger name: Gaurav
Enter passenger age: 19
Enter flight number: 112211
Enter departure time: 18.35pm
Enter source: Mumbai
Enter passenger name: Shubham
Enter passenger age: 20
Enter flight number: 445566
Enter departure time: 20.10pm
Enter source: Visakapatnam
Passenger Information:
Name: Gaurav
Age: 19
Flight Number: 112211
Departure Time: 18.35pm
Source: Mumbai
Passenger Information:
Name: Shubham
Age: 20
Flight Number: 445566
Departure Time: 20.10pm
Source: Visakapatnam

```

main.cpp



Run

```
28     cin >> departure_time;
29
30     cout << "Enter source: " ;
31     cin >> source;
32
33 }
34
35 void show_info(){
36     // Display passenger information
37     cout << "Passenger Information:" << endl;
38     cout << "Name: " << name << endl;
39     cout << "Age: " << age << endl;
40     cout << "Flight Number: " << flight_number << endl;
41     cout << "Departure Time: " << departure_time << endl;
42     cout << "Source: " << source << endl;
43 }
44 };
45
46
47 int main() {
48     Passenger passenger1;
49     Passenger passenger2;
50
51     passenger1.get_info();
52     passenger2.get_info();
53     passenger1.show_info();
54     passenger2.show_info();
55 }
```