

Design and implement the class **Flight**.

The **Flight** class description and the javadoc notation comments for each method and the method signatures are provided in the Flight.java file.
Complete the Flight.java class.

Class Flight

The `Flight` class has a flight number, keeps a list of the names of the passengers that are on the `Flight`.

Each passenger has a single name (a single word). The name of the passenger is stored in lower case letters without blanks.

It is possible to obtain the number of flights that have been created.

Please do the following work in the Flight.java file. All the method signatures and comments are provided.

- A. [6]
 - [3] Define the Flight class instance variables. Use ArrayList to store the passengers' names.
 - [3] Implement the Flight Constructor
- B. [11]
 - [6] Implement the add method to add a passenger to the flight.
 - [5] Implement the toString method.

After you implement the above methods, you can test your Flight class by compiling and running the FlightTesterFirst.java.

- C. [9]
 - [2] Implement the getNumberOfFlights method
 - [7] Implement the totalNoDups method

After you complete the above work items, you can test your Flight class by compiling and running the FlightTester.java.

Please compress your source code file (Flight.java), upload and submit your .zip file to the **Quiz**.