

Assignment -1

See the Following class notations for information about the classes:

Coordinate
double latitude double longitude
setLatitude(double latitude) setLongitude(double longitude) double getLatitude() double getLongitude()

Schedule
int hour int minute
setHour(int hour) setMinute(int minute) int getHour() int getminute()

Employee
int id String name String designation
setId(int id) setName(String name) setDesignation(String designation) int getId() String getName() String getDesignation()

Airport
int id String name Coordinate location
setId(int id) setName(String name) setLocation(Coordinate location) int getId() String getName() Coordinate getLocation()

Flight
int id String name int capacity Employee pilot Airport from Airport to Schedule departure Schedule arrival
setId(int id) setName(String name) setCapacity(int capacity) setPilot(Employee pilot) setFrom(Airport from) setTo(Airport to) setDeparture(Schedule departure) setArrival(Schedule arrival) int getId() String getName() int getCapacity() Employee getPilot() Airport getFrom() Airport getTo() Schedule getDeparture() Schedule getArrival()

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1. Write the above mentioned classes. All the member attributes and methods are mentioned in the class notation. All the attributes are private and methods are public. You do NOT need to write any extra attributes or methods. You do NOT even need to write Constructors.
2. Write a class **Start** that ONLY has the **main** method. Inside the main method create two objects of the class **Flight** and illustrate the purposes of all the methods of class **flight**.

Tips:

You cannot create any objects of the class **Flight** unless you create objects of class **Employee**, **Airport** and **Schedule**. Also, to create objects of **Airport** you need to create object of **Coordinate**. So, follow the following class sequence to create objects:

1. **Coordinate**
2. **Airport**
3. **Employee**
4. **Schedule**
5. **Flight**
6. **Start**

Submission Deadline: July 25, 2017 (End of class)