

Lab Task - 4

Write the following classes:

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

Schedule
int hour int minute
void setHour(int hour) void setMinute(int minute) int getHour() int getMinute()

Airport
String name Coordinate location
void setName(String name) void setLocation(Coordinate location) String getName() Coordinate getLocation()

Flight
String flightId int capacity Airport departureFrom Schedule departureTime Airport flyingTo Schedule arrivalTime
void setFlightId(String flightId) void setCapacity(int capacity) void setDepartureFrom(Airport departureFrom) void setDepartureTime(Schedule departureTime) void setFlyingTo(Airport flyingTo) void setArrivalTime(Schedule arrivalTime) String getFlightId() int getCapacity() Airport getDepartureFrom() Schedule getDepartureTime() Airport getFlyingTo() Schedule getArrivalTime()

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Start

The Start class contains the main method. Inside the main method do the followings:

- Create 2 objects of Coordinate.
- Create 2 objects of Schedule.
- Create 2 objects of Airport.
- Create 1 object of Flight.
- Display all the information of the Flight using the object of the Flight class.