

## MT Assignment - 1

Write the following classes:

1. Coordinate
double longitude double latitude
double Longitude double Latitude

2. Schedule
int hour int minute
int Hour int Minute

3. Employee
string id string name string designation
string ID string Name string Designation

4. Airport
int id string name Coordinate location
int ID string Name Coordinate Location

5. Flight
int id string name int capacity Employee pilot Airport from Airport to Schedule departure Schedule arrival
int ID string Name int Capacity Employee Pilot Airport From Airport To Schedule Departure Schedule Arrival

Write a Class **Program** that contains the main( ) method. Inside the main( ) do the followings:

- Create 2 objects of Coordinate Class.
- Create 2 objects of Schedule Class.
- Create 1 object of Employee Class.
- Create 2 objects of Airport Class.
- Create 1 object of Flight Class.

You have to demonstrate all the properties inside main( ) method.

**Note:** You do not need to write any constructors, Just write the classes with their mentioned attributes and properties.

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### Sample Output

```
Flight ID           : 707
Flight Name         : OOP2MTA
Flight Capacity     : 60
Pilot Name          : Tony Stark
Pilot ID            : AVNGR002
Pilot Designation   : Senior Pilot
Airport From Name    : NYC Airport
Airport From ID      : 701
Airport From Longitude : 23.69
Airport From Latitude  : 72.58
Airport To Name      : LA Airport
Airport To ID        : 901
Airport To Longitude  : 73.18
Airport to Latitude   : 35.63
Scheduled Departure at : 08:15
Scheduled Arrival at  : 10:20
```

### Submission Guidelines:

- ☐ Zip your Project folder.
- ☐ Rename Your Zipped folder after your ID. For Example: If your ID is 12-21219-2 then, your zipped folder should be renamed as 12-21219-2\_MT\_A1
- ☐ Upload the renamed Zipped Folder.
- ☐ Submission Deadline is: Thursday, March 22, 2018, 2:00PM.
- ☐ Please Note that you will have to attend a viva for this assignment.
- ☐ Viva Deadline is: Thursday, March 22, 2018, 4:00PM.
- ☐ Failing to attend the viva will result into a zero ( 0 ) for this assignment.