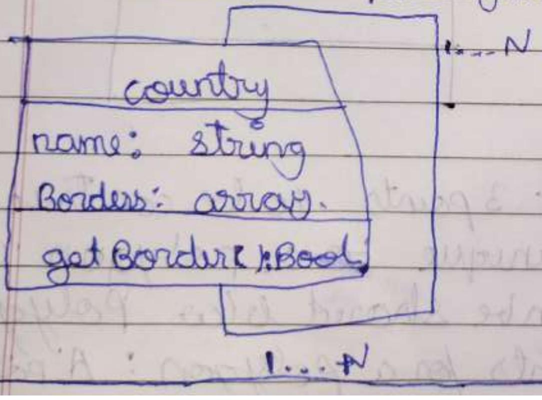
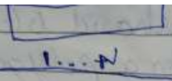
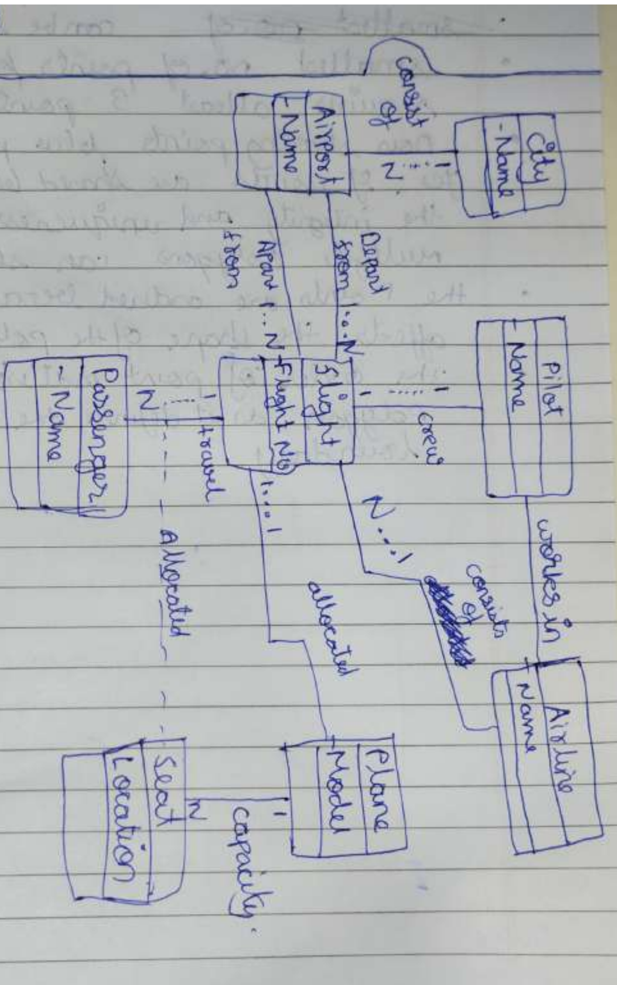
Ans1 by fegure' we can see that these all are countries and given their name. and border.


country
name: string
Borders: array.
get Border( ):Bool
1...N
1...N

8

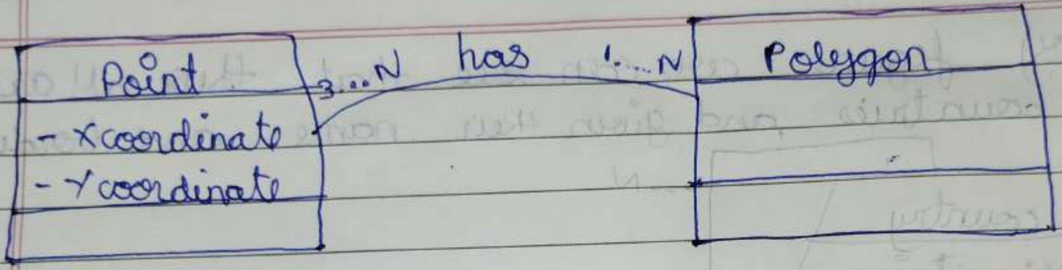

1...N

Ans 3


City
-Name
consist of
1
N
Airport
-Name
Depart from
1..N
Arrive from
1..N
Flight
-Flight No
1
crew
1
Pilot
-Name
works in
Airline
-Name
N...1
consists of
1...1
allocated
Plane
Model
1
capacity
N
Seat
Location
allocated
1
travel
N
Passenger
-Name

classmate
Date
Page

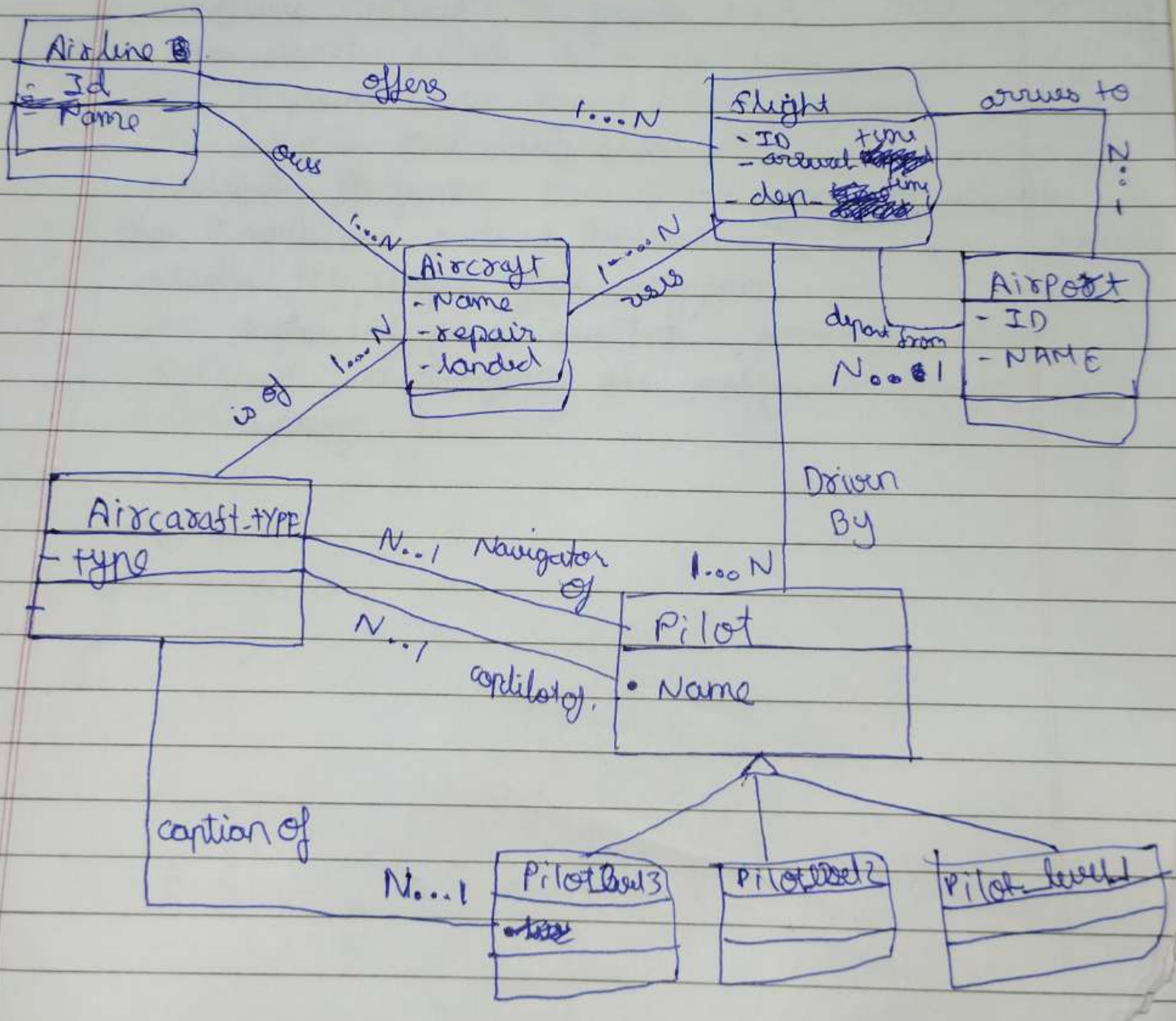
Q-2



- A polygon needs atleast 3 points to be constructed
- Points can either: Be unique to a polygon or
- ~~smallest no. of~~ canbe shared b/w Polygon.
- smallest no. of points for a polygon: A polygon requires atleast 3 points to be valid.
- Does sharing points b/w polygons make a diff.
  Yes. If points are shared b/w polygons, it affects the integrity and uniqueness of each polygon.
  Multiple Polygons can share the same points.
- the Points are ordered because the sequence of points affects the shape of the polygon.
- the order of point matters when constructing a polygon, as it defines the polygon's shape and boundary.

Seystem for management of flights & pilots.

Ans4 By text we understood that we have to do inheritance in pilot because their are 3 different level of pilots.


Airline
- Id
- Name
offers
1...N
uses
1...N
flight
- ID
time
- arrival
- dep
time
arrives to
N...1
Aircraft
- Name
- repair
- landed
1...N
uses
is of
1...N
Airport
- ID
- NAME
depart from
N...1
Driven By
1...N
Aircaraft-TYPE
- type
N...1
Navigator of
N...1
copilot of
Pilot
• Name
caption of
N...1
Pilot level3
Pilot level2
Pilot level1