

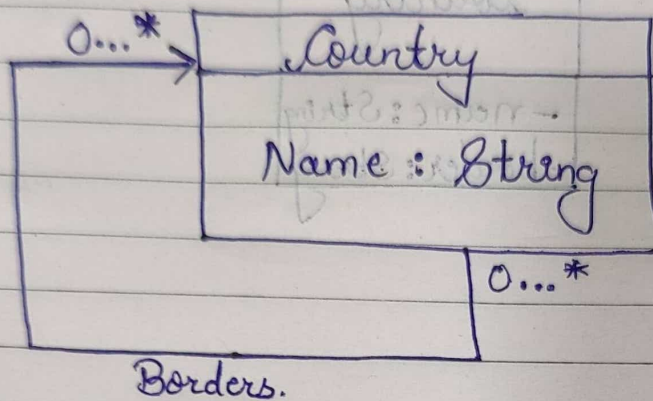
IT-314

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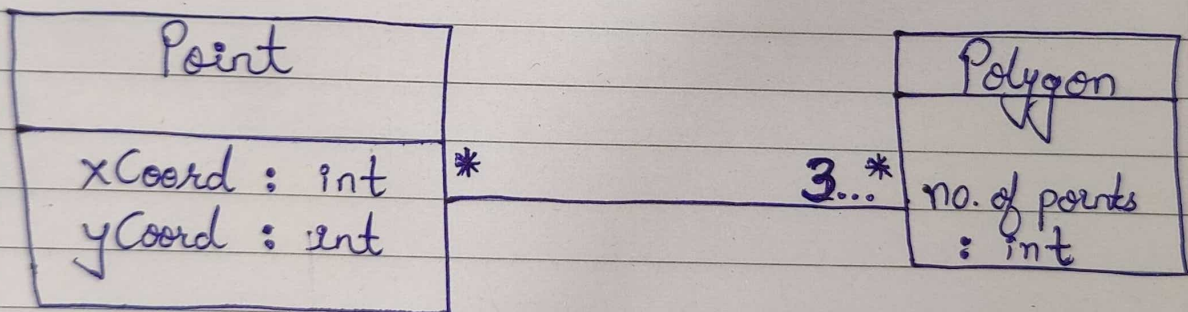
Lab-04

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Q-1.



Q-2.



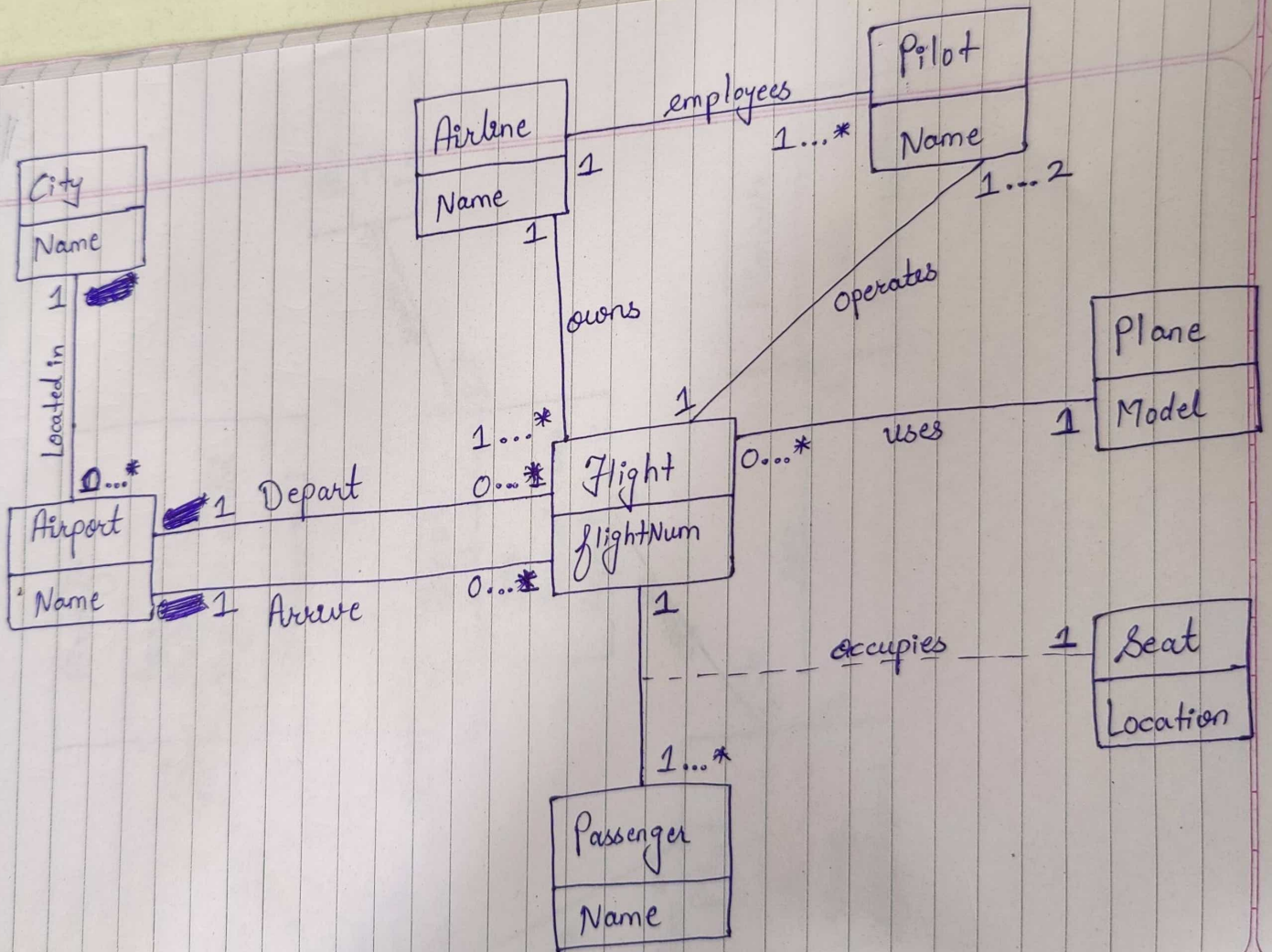
~~→~~ → The smallest no. of points required to construct a polygon is '3' because simplest polygon is triangle which has 3 points.

→ Multiplicity : A polygon is composed of multiple points, hence multiplicity is 1..* on polygon side.

- Each point may be used by multiple polygon, hence * on point side.

- Yes, it makes a difference whether a point can be shared between multiple polygons, then a point can belong to multiple polygons. If points cannot be shared between polygons, then each polygon must have its own distinct set of points, meaning no common edges or vertices.
- The fact that points are ordered matters for defining the shape of polygon.

~~Q3.~~



Q-4.

