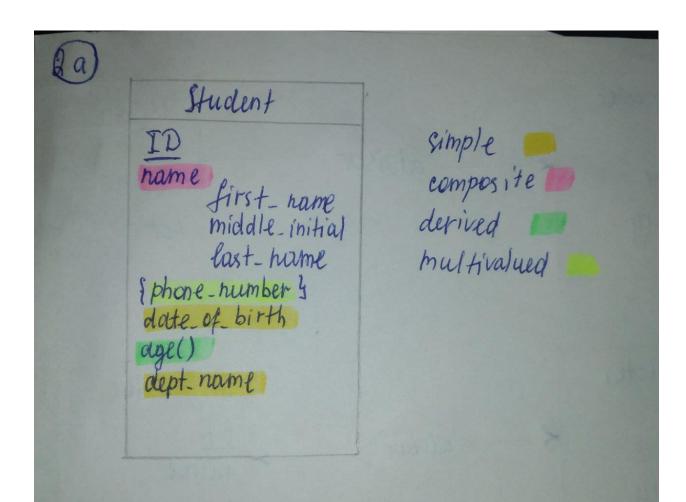
- 1.
- a) What are the main phases in the database design? What is done on each development phase?
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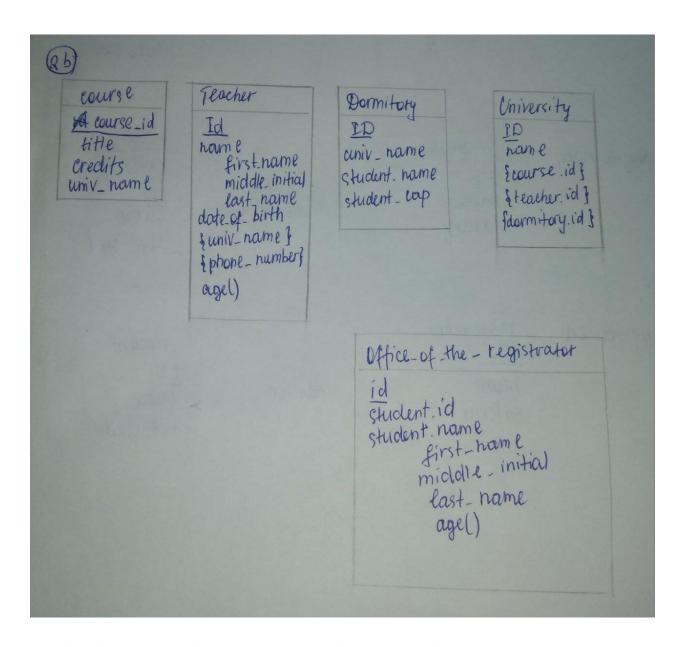
This phase consists of three parts:

- 1. Conceptual design
- 2. Logical design
- 3. Physical design
- b) What is the entity-relationship (ER) data model?

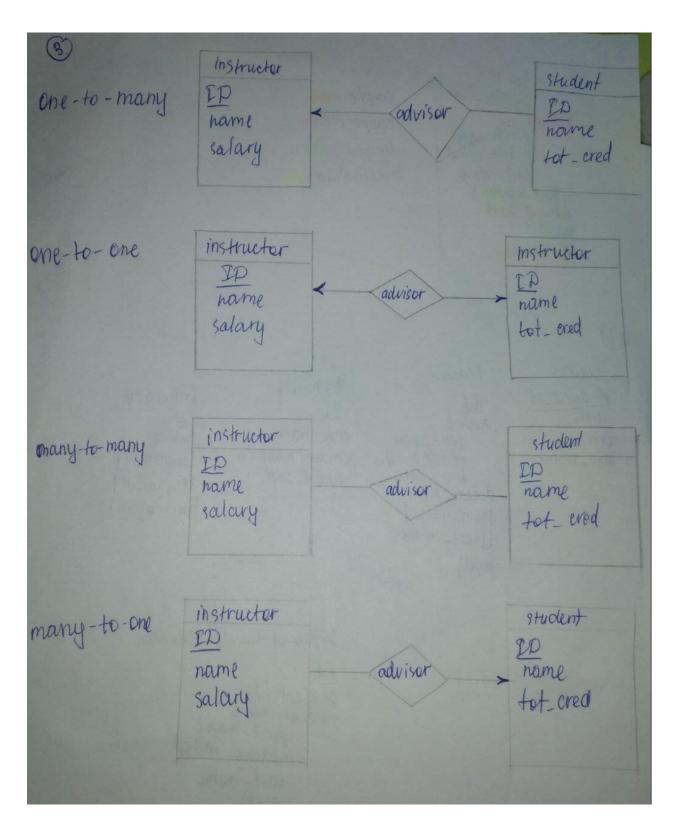
Entity Relationship Model (ER Modeling) is a representation of a database in the form of graphical diagrams. ER model visualizes a process that defines a certain subject area. Relationship diagram is graphically represents entities, attributes, relationships.

- a) Create entity "Student" with at least 5 attributes (One for each type of attribute: simple, composite, derived, multivalued)
 - b) Create entities "University", "Course", "Dormitory", "Teacher", "Office of the Registrar" with at least 3 attributes each. (Entity types should be correct on data model)





3. Give examples for **one-to-many**, **one-to-one**, **many-to-many**, **many-to-one** relations. (Draw the examples as a scheme)



4. Create ER data model with relations using data from the second task.

