Laboratory work 4

1.
   a) What are the main phases in the database design? What is done on each development phase?
   a) What is the entity-relationship **(ER) data model**?

2.
   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.

5. Create ER data model for IT company. (**At least 5 entities and 8 relations**)