

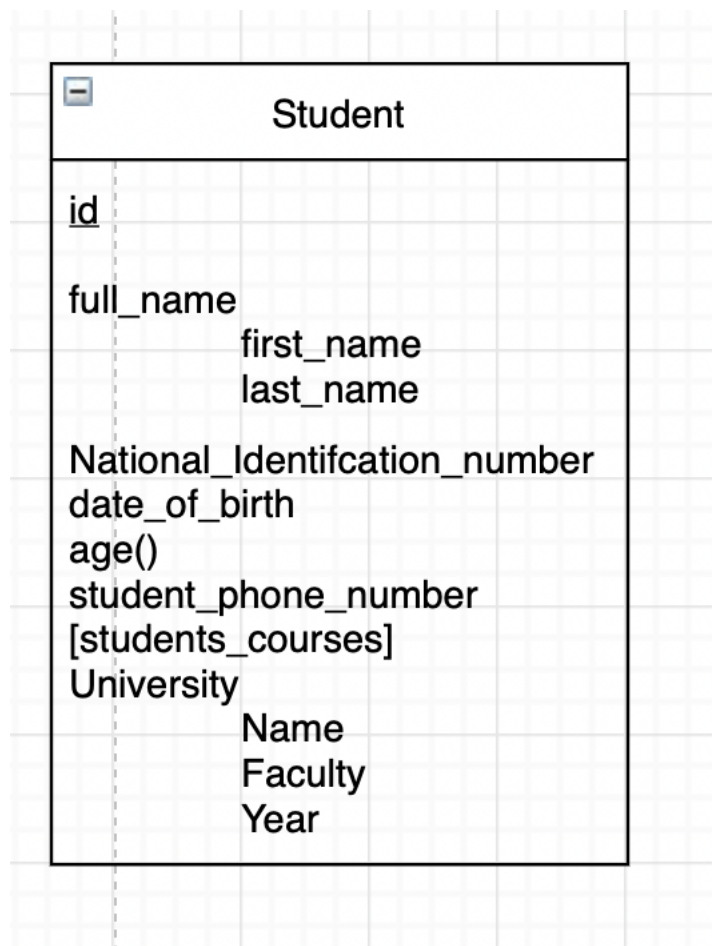
1) A) What are the main phases in the database design?

There are 3 basic phases of the database design: conceptual design, the logical design and physical design. The conceptual design provides a fully detailed picture of the enterprise. In the logical design part, the designer maps the high-level conceptual schema onto the implementation data model of the database system. Finally, in the physical-design part, the designer uses the database schema where physical features of the database are specified.

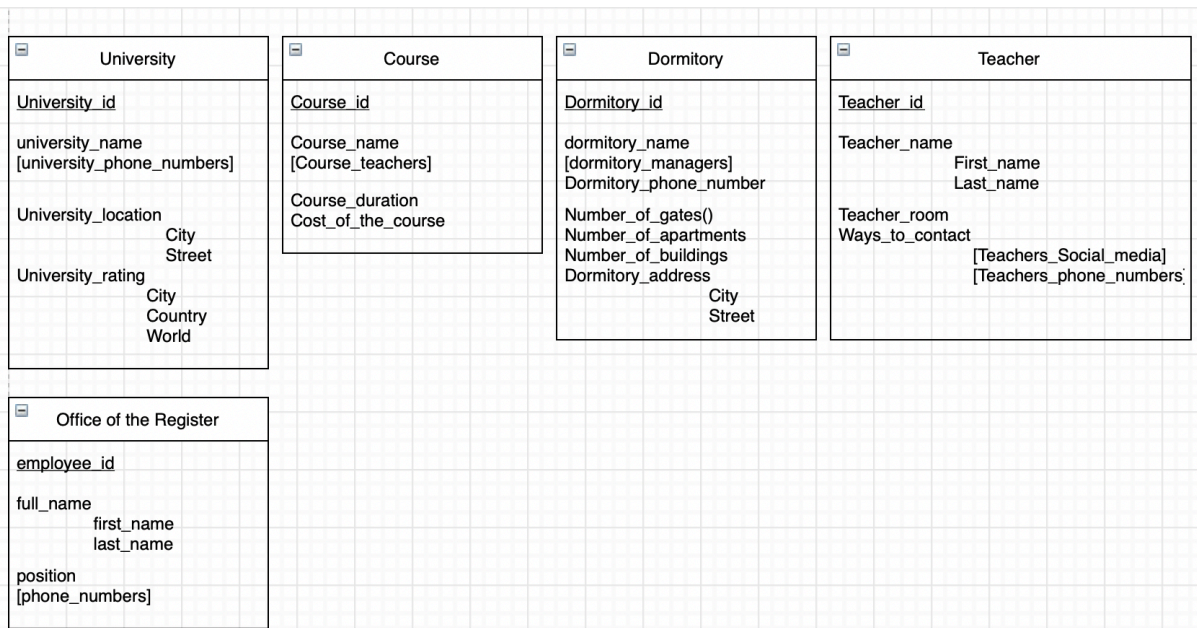
B) What is the entity-relationship (ER) data model?

It is an enterprise schema that shows the logical structure of the database.

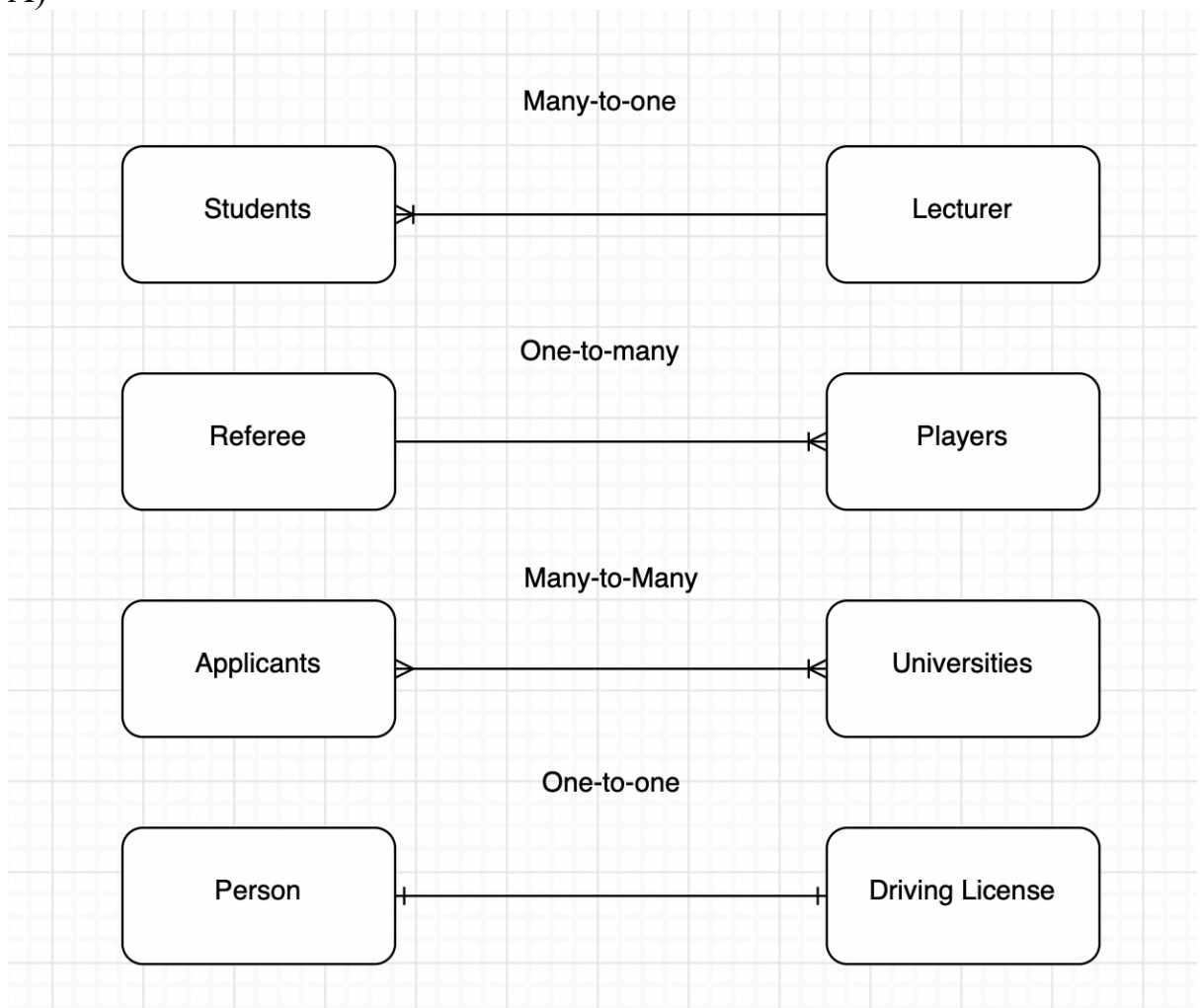
2) A)



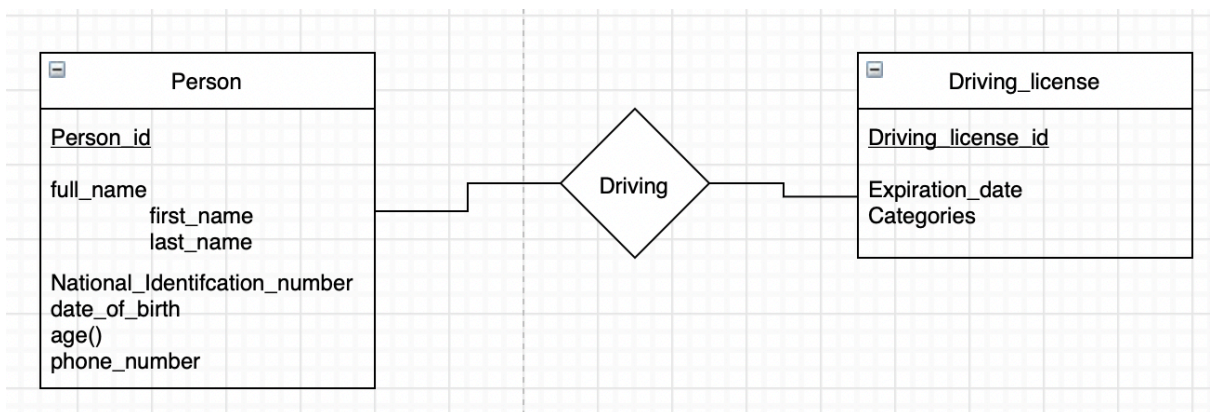
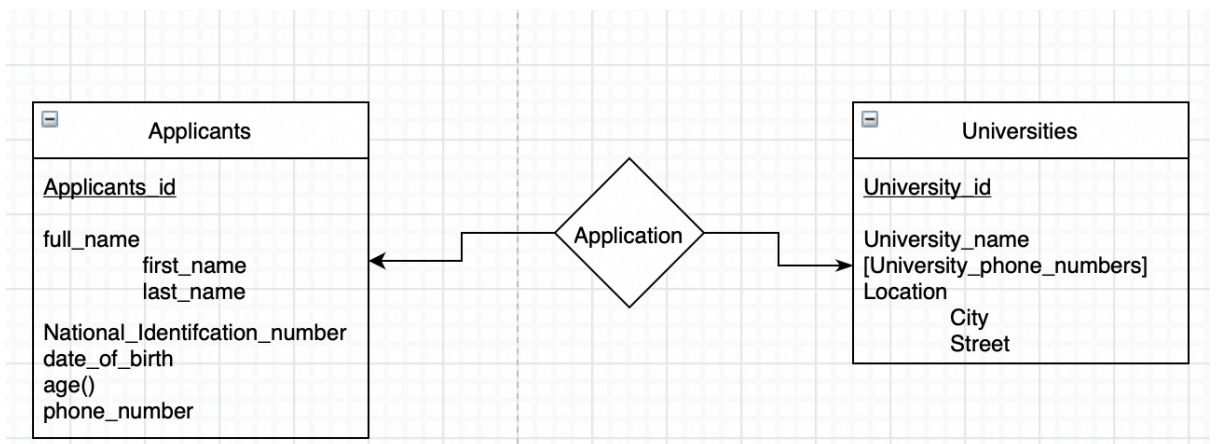
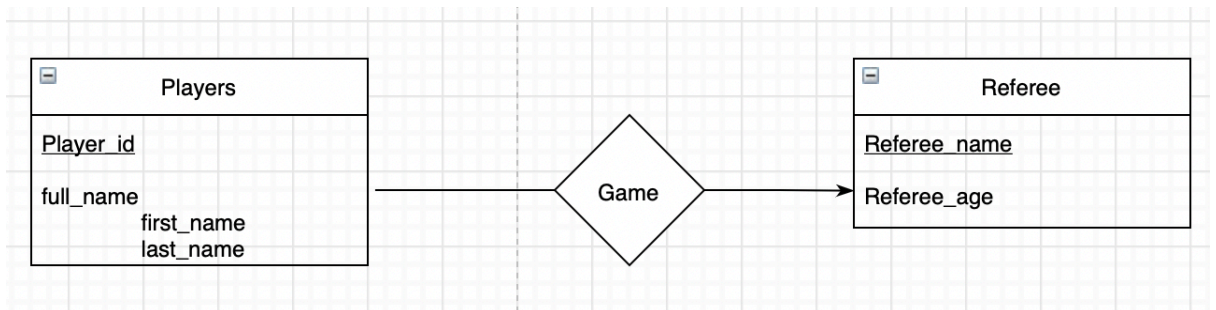
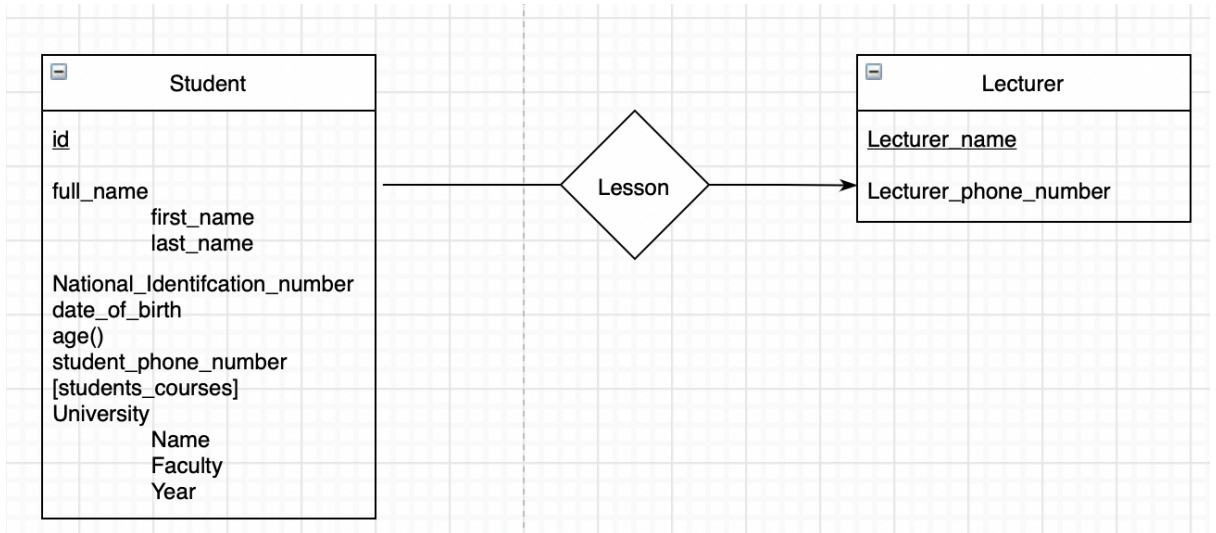
B)



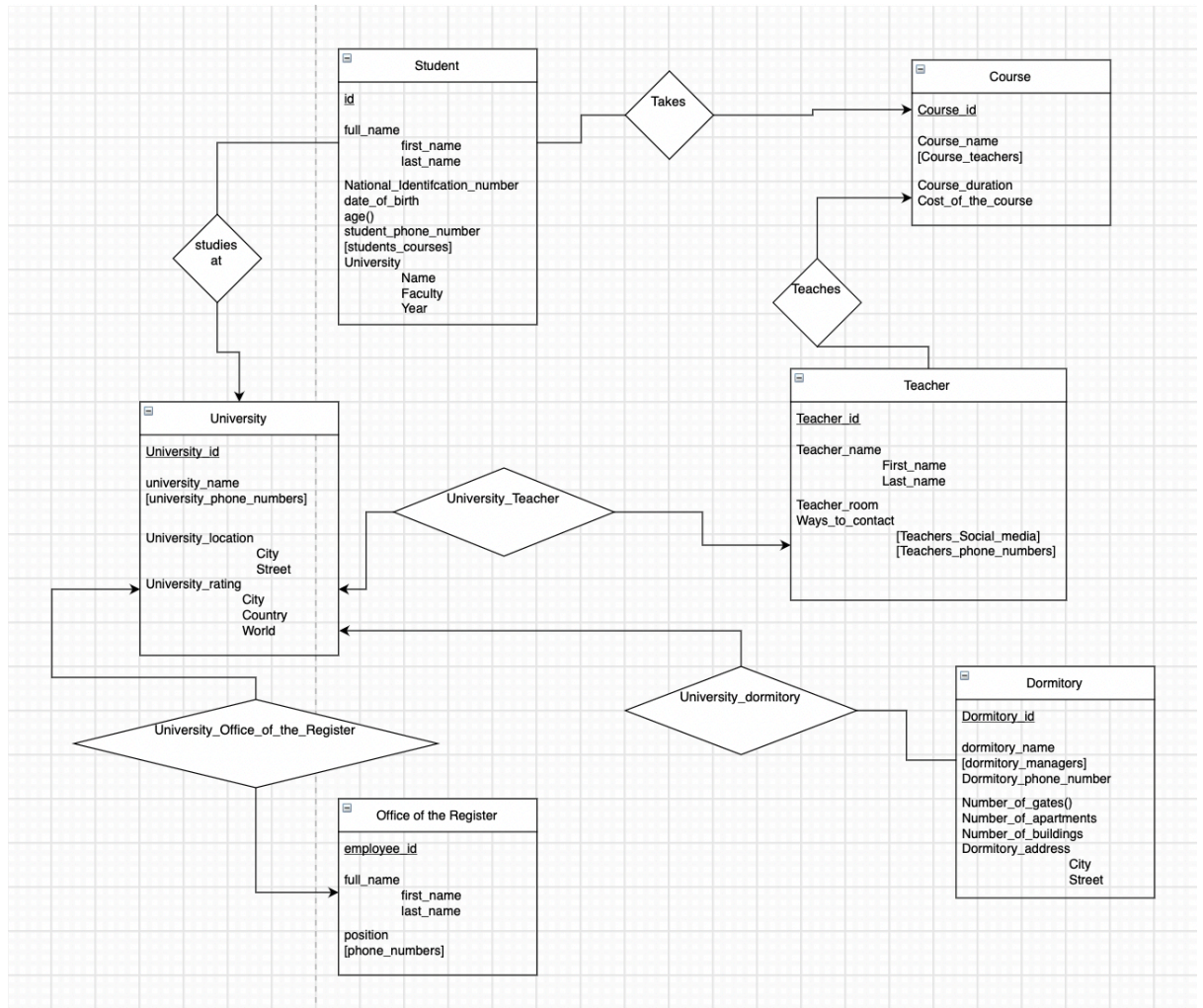
3) A)



B)







4)

