

Study stream : Computer Science
Level: 2nd Year Bachelor's Degree
Module: Information Systems
Instructor: Dr. Bouneb M.

Practical work N°01

Objectives :

☞ Understand what is an entity

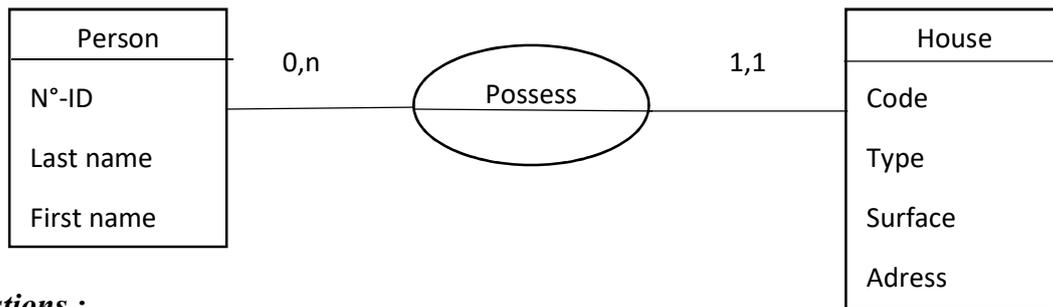
☞ Understand what is an association

☞ Understand cardinalities

☞ Understand the CDM (Conceptual Data Model) schema.

Exercise N°1 :

Let the following conceptual data model be:

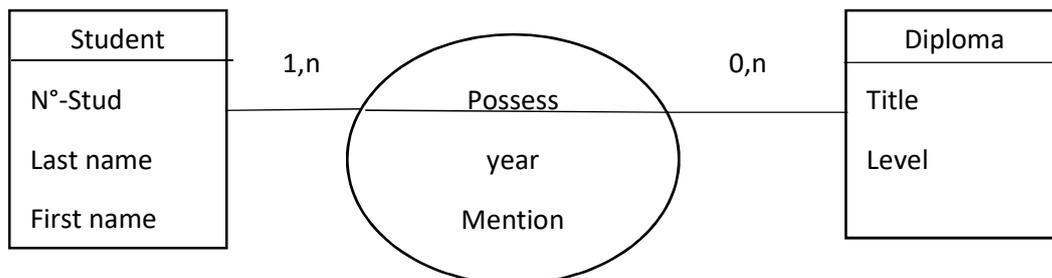


Questions :

1. List the entities in this conceptual data model (CDM).
2. List the associations in this CDM.
3. What are the properties of a person?
4. What are the properties of a house?
5. What are the properties of "Possess»?
6. How many house can a person own?
7. How many owners can a house have?

Exercise N°2 :

Let the following conceptual data model be:

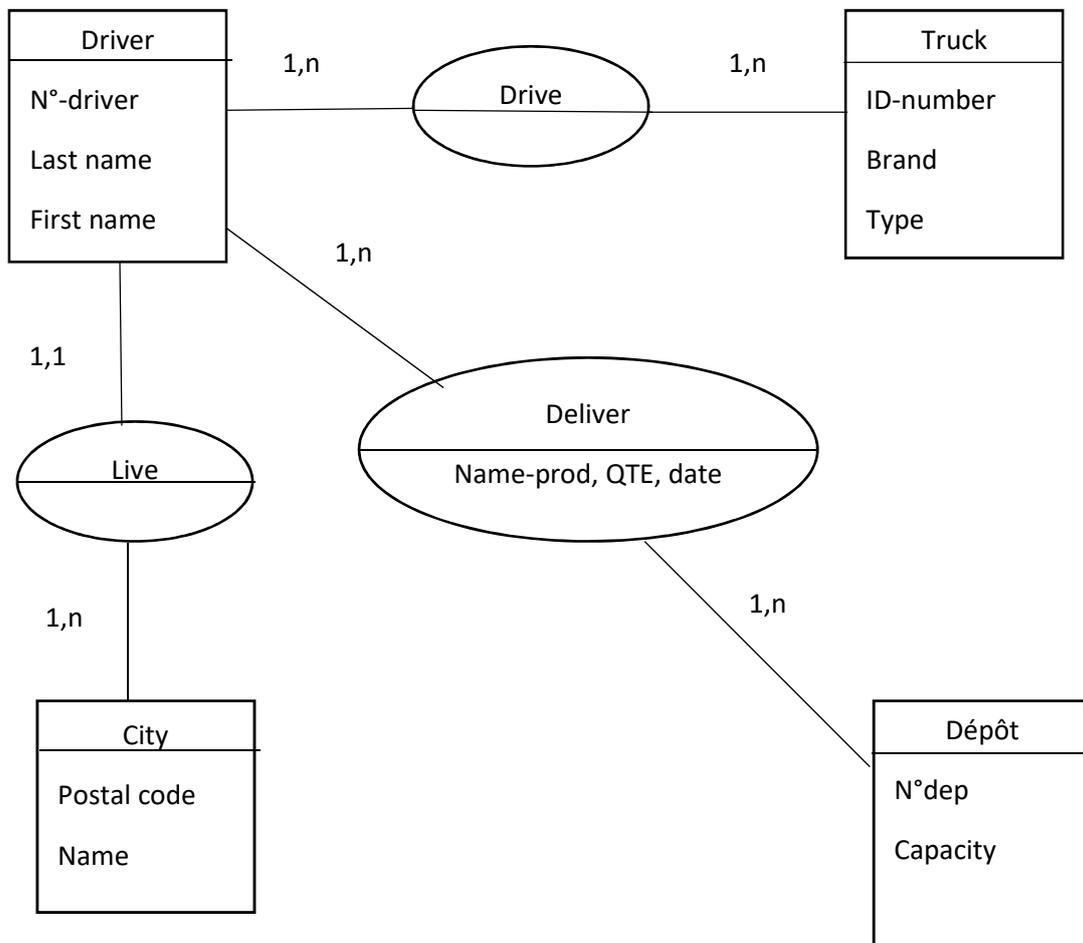


Questions :

1. List the entities in this CDM.
2. List the associations in this CDM.
3. What are the properties of a student?
4. What are the properties of a diploma?
5. What are the properties of "Possess"?
6. How many diploma can a student own?
7. How many students can owned a diploma?

Exercise N°3 :

Let the following conceptual data model be:



Questions :

1. List the entities in this CDM.
2. List the associations in this CDM.
3. Which associations have no own properties?
4. Which associations have their own properties?
5. Express the cardinalities of this CDM textually.