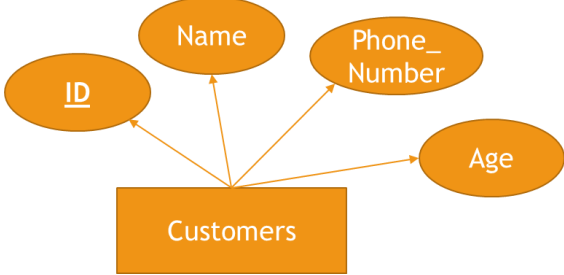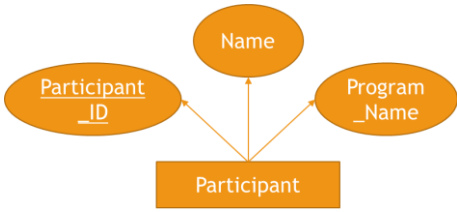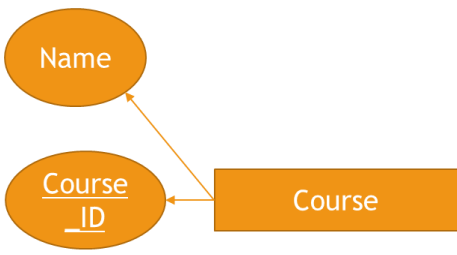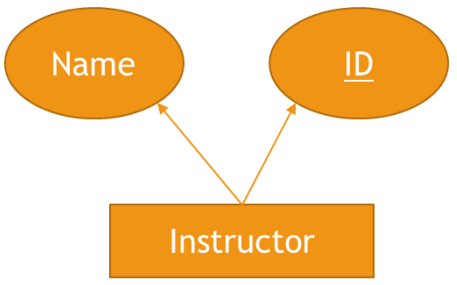# Entity Relationship Model Activity

Review the following database scenarios, build the ER models, and convert it into tables.

What are the relationships between tables?

1. A retail store manager wants to organize their data into a relational database. Their data mainly is about the customers and the purchased items. Each customer has a name, ID, phone number, age, and each Item has item_ID, item_Price, item_Type.

Item	
Item_ID	int(255)
Item_Price	Float(20)
Item_Type	Varchar(20)

Customers	
ID	Int(255)
Name	Varchar(50)
Phone_Number	int(10)
Age	Float(20)

2. At NPower Canada each participant has a Participant_ID, name, program_name. Participants can register in multiple courses. Each course has a name, course_ID. Multiple participants can register at the same course. Also, each instructor has a name and ID. Instructors can supervise multiple participants, however participants can have only one instructor.

Participant	
Participant_ID	int(255)
Name	Varchar(50)
Program_Name	Varchar(50)

Course	
Course_ID	int(20)
Name	Varchar(50)

Instructor	
ID	int(60)
Name	Varchar(50)