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**Questions 2 :**

**Problem 1 :**

1. **Finding entities , key attributes , and related attributes**

* Customers : customer\_ID , Fullname , address , phone , birthday , sale , registration\_date
* Staff : staff\_id , full name , day of entry , phone
* Products : product\_id , product\_name , unit , nation , price
* Invoice : invoice\_id , purchase\_date , customer\_id , staff\_id , value.
* Detail of invoice : invoice\_id , product\_id , quantity.

1. **Finding relationship**

* Staff – Customers : store information
* Staff – products : sells
* Customer – invoice : pay
* Detail of invoice – invoice : explain detail

1. **Finding weak entities and weak relationships**

* Detail of invoice – invoice : explain detail

1. **Draw ER**

A diagram of a company

Description automatically generated

**Problem 2 :**

1. **Finding entities , key attributes , and related attributes**

* Company : Employees , Projects , relatives
* Employee : Middle name , First Name , **Employee\_code** , Date of birth , address , gender.
* Salaries : Working positions
* Working positions : Full-time employees and part-time employees
* Department : Employees , **A unique code** , a room name
* Department : a certain employee , record the whole day
* Department : locations
* Project : code , name , location
* Department : projects
* Employee : projects
* Relatives of employees : names , dates of birth , relationships of relatives.

1. **Finding relationship**

* Company – employees : has
* Employee – salaries : receive
* Salaries – working positions : base on
* Company – Department : has
* Each department – employee : oversee
* Company – projects : implement
* Department – projects : manage
* Employee – projects : participated
* Company – employees : record : relatives

1. **Finding weak entities and weak relationships**

* Company – employees : record : relatives

1. **Draw ER**

A diagram of a company

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