**Question No1:**

Diagram

Description automatically generated

In the question one of the business rules given is “An employee may be assigned many projects, and a project may have many employees assigned to it.” In my point of view having many to many relation is a bad design I have created one more table Allocation where Employee are enters into Allocation and Many allocations are assigned to project.

**Question No2:**

Diagram

Description automatically generated

Again, for this question I made my assumption that many products can be send by many vendors and many vendors can deliver many products. So here we are getting many to many relationship. So, I created a table Consignment to the problem.

**Question No3:**

Business Rules:

1. A customer can own zero or many cars but, a car can be owned by only one customer.
2. A Car can get zero or many maintenances but, a maintenance will have only one car.
3. Each Maintenance may require a many parts.
4. A part is required for many maintenances.