Q.1)

ER Diagram

**Part 1**

Draw an ER Diagram for a company database with the following specifications.

1. A company is identified by its name (which is unique), address, and the name of the CEO who is an employee.
2. A Company employs many employees. Employees are identified by an ID (unique), name, rank and age. Employees are either part-time or full-time. Full-time employees are eligible for a number of vacation days and a monthly salary. Part-time employees work a certain number of hours a week and earn pay based on an hourly rate – you must keep track of the number of hours worked.
3. A Company can have several divisions. Divisions are identified by a name and a division manager, who is also an employee. A division can be a manufacturing plant or a management facility. The manufacturing plant produces a certain number of parts per day and has a safety officer who is also an employee.
4. Divisions make products. A product is identified by a Product ID (unique), a product classification, and a product name. Many divisions can make the same product.
5. Employees are assigned to divisions. You will need to store the date on which an employee was assigned to a division. An employee can be assigned to only one division at a time.

Reduce the above statements to ER diagram

* **ANSWER:->**

