Web Application Development: MCA112IA

Exercise – 4

Human Resource Management

Consider a scenario of Employee Management Database and perform the following

1. Identify the Entities, attributes, relationships, cardinality and participation
2. Design the ER diagram and map it to schema diagram
3. Create the tables and populated them with appropriate

The company is organized into departments. Each department has a unique name, a unique number, and a particular employee who manages the department. We keep track of the start date when that employee began managing the department. A department may have several locations. A department controls a number of projects, each of which has a unique name, a unique number, and a single location. We store each employee's name, Social Security number, address, salary, sex (gender), and birth date. An employee is assigned to one department, but may work on several projects, which are not necessarily controlled by the same department. We keep track of the current number of hours per week that an employee works on each project. We also keep track of the direct supervisor of each employee (who is another employee).We want to keep track of the dependents of each employee for insurance purposes. We keep each dependent's first name, sex, birth date, and relationship to the employee.