**4.design company database with at least 3 entities and relationships between them. draw suitable er/eer diagram for the system and create table with primary key and foreign key constraints. a. alter table with add n modify b. drop table**

```
create table department (
    dept_id int primary key,
    name varchar(255)
);
```

```
insert into department (dept_id, name) values
(1, 'engineering'),
(2, 'marketing'),
(3, 'human resources');
```

```
create table employee (
    emp_id int primary key,
    name varchar(255),
    dept_id int,
    foreign key (dept_id) references department(dept_id)
);
```

```
insert into employee (emp_id, name, dept_id) values
(1, 'john doe', 1),
(2, 'jane smith', 1),
(3, 'michael johnson', 2),
(4, 'emily brown', 3);
```

```
create table project (
    project_id int primary key,
    name varchar(255),
    start_date date,
    end_date date,
    manager_id int,
    foreign key (manager_id) references employee(emp_id)
);
```

```
insert into project (project_id, name, start_date, end_date, manager_id) values
(101, 'product development', '2024-01-01', '2024-06-30', 1),
(102, 'marketing campaign', '2024-02-15', '2024-05-15', 3),
(103, 'employee training', '2024-03-10', '2024-04-30', 4);
```