create database Employee_Management_System;

use Employee_Management_System;

//1.Create a table called employees with the following columns:

employeeID (INTEGER, Primary Key)

firstname (VARCHAR(50))

lastname (VARCHAR(50))

salary (DECIMAL(10,2)) //

Query:
```sql
CREATE TABLE employee (
    employee_id INT PRIMARY KEY,
    first_name VARCHAR(50),
    last_name VARCHAR(50),
    salary DECIMAL(10, 2)
);
```

DESC employee;

```
+-------------+--------------+------+-----+---------+-------+
| Field       | Type         | Null | Key | Default | Extra |
+-------------+--------------+------+-----+---------+-------+
| employee_id | int          | NO   | PRI | NULL    |       |
| first_name  | varchar(50)  | YES  |     | NULL    |       |
| last_name   | varchar(50)  | YES  |     | NULL    |       |
| salary      | decimal(10,2)| YES  |     | NULL    |       |
+-------------+--------------+------+-----+---------+-------+
```

//2.Insert 5 employees records.

Query:
```sql
INSERT INTO employee VALUES(1, 'Hiten', 'Patil', 50000.00),(2,  'Sakshi', 'Gupta',
60000.50),(3, 'Sonu', 'Nigam', 75000.00),(4, 'Honey','Singh', 55000.75),(5, 'Sodhi', 'Gada',
62000.25);
```

SELECT * FROM employee;

```
+-------------+------------+-----------+----------+
| employee_id | first_name | last_name | salary   |
+-------------+------------+-----------+----------+
|           1 | Hiten      | Patil     | 50000.00 |
```

```
|          2 | Sakshi     | Gupta      | 60000.50 |
|          3 | Sonu       | Nigam      | 75000.00 |
|          4 | Honey      | Singh      | 55000.75 |
|          5 | Sodhi      | Gada       | 62000.25 |
+------------+------------+-----------+----------+
```

//3.Alter the table to include a new column.:Add a new column Departments (VARCHAR(50)) to the table.

Query:
ALTER TABLE employee ADD department VARCHAR(50);

DESC employee;

```
+-------------+--------------+------+-----+---------+-------+
| Field       | Type         | Null | Key | Default | Extra |
+-------------+--------------+------+-----+---------+-------+
| employee_id | int          | NO   | PRI | NULL    |       |
| first_name  | varchar(50)  | YES  |     | NULL    |       |
| last_name   | varchar(50)  | YES  |     | NULL    |       |
| salary      | decimal(10,2)| YES  |     | NULL    |       |
| department  | varchar(50)  | YES  |     | NULL    |       |
+-------------+--------------+------+-----+---------+-------+
```

UPDATE employee SET department = 'HR' WHERE employee_id = 1;

UPDATE employee SET department = 'Finance' WHERE employee_id = 2;

UPDATE employee SET department = 'IT' WHERE employee_id = 3;

UPDATE employee SET department = 'Marketing' WHERE employee_id = 4;

UPDATE employee SET department = 'Sales' WHERE employee_id = 5;

SELECT * FROM employee;

```
+-------------+------------+-----------+----------+------------+
| employee_id | first_name | last_name | salary   | department |
+-------------+------------+-----------+----------+------------+
|          1 | Hiten      | Patil     | 50000.00 | HR         |
|          2 | Sakshi     | Gupta     | 60000.50 | Finance    |
|          3 | Sonu       | Nigam     | 75000.00 | IT         |
|          4 | Honey      | Singh     | 55000.75 | Marketing  |
|          5 | Sodhi      | Gada      | 62000.25 | Sales      |
+-------------+------------+-----------+----------+------------+
```

//4.Get the names and department of employees who earn more than 55000.

Query:

```
SELECT first_name, last_name, department FROM employee WHERE salary > 55000;
+------------+-----------+------------+
| first_name | last_name | department |
+------------+-----------+------------+
| Sakshi     | Gupta     | Finance    |
| Sonu       | Nigam     | IT         |
| Honey      | Singh     | Marketing  |
| Sodhi      | Gada      | Sales      |
+------------+-----------+------------+
```