1. (Exercise: retrieve the records from the table) EMPLOYEES (Employee_Id, First_Name, Last_Name, Email, Phone_Number, Hire_Date, Job_Id, Salary, Commission_Pct, Manager_Id, Department_Id)

Solution:

i)create an employee's table with the following fields: (Emp_id, First_name, Last_name,
Phone_No,Hire_date,Job_id,Emp_Salary,Comission_Pct,manager _id,Department_id) .

```
CREATE TABLE EMPLOYEES (
    Employee_Id INT PRIMARY KEY,
    First_Name VARCHAR(50),
    Last_Name VARCHAR(50),
    Email VARCHAR(100),
    Phone_Number VARCHAR(20),
    Hire_Date DATE,
    Job_Id VARCHAR(10),
    Salary DECIMAL(10, 2),
    Commission_Pct DECIMAL(5, 2),
    Manager_Id INT,
    Department_Id INT
);
```

2)Insert five records into the table employees :

```
INSERT INTO EMPLOYEES VALUES

(100, 'Steven', 'King', 'SKING', '515.123.4567', '2003-06-17', 'AD_PRES', 24000, NULL, NULL, 90),

    (101, 'Neena', 'Kochhar', 'NKOCHHAR', '515.123.4568', '2005-09-21', 'AD_VP', 17000, NULL, 100, 90),
```

(102, 'Lex', 'De Haan', 'LDEHAAN', '515.123.4569', '2001-01-13', 'AD_VP', 17000, NULL, 100, 90),
(103, 'Alexander', 'Hunold', 'AHUNOLD', '590.423.4567', '2006-01-03', 'IT_PROG', 9000, NULL, 102, 60),

(104, 'Bruce', 'Ernst', 'BERNST', '590.423.4568', '2007-05-21', 'IT_PROG', 6000, NULL, 103, 60);

3)Display the table Employees :

SELECT * FROM EMPLOYEES;

OUTPUT:

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT
100	Steven	King	SKING	515.123.4567	2003-06-17	AD_PRES	24000	NULL
101	Neena	Kochhar	NKOCHHAR	515.123.4568	2005-09-21	AD_VP	17000	NULL
102	Lex	De Haan	LDEHAAN	515.123.4569	2001-01-13	AD_VP	17000	NULL
103	Alexander	Hunold	AHUNOLD	590.423.4567	2006-01-03	IT_PROG	9000	NULL

4. Find out the employee id, names, salaries of all the employees

SELECT First_Name, Last_Name FROM EMPLOYEES WHERE Salary >= 4800;

OUTPUT:

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	SALARY
100	Steven	King	24000
101	Neena	Kochhar	17000
102	Lex	De Haan	17000
103	Alexander	Hunold	9000

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	SALARY
104	Bruce	Ernst	6000

5. Find the names of the employees who have a salary greater than or equal to 4800

SELECT First_Name, Last_Name FROM EMPLOYEES WHERE Salary >= 4800;

FIRST_NAME	LAST_NAME
Steven	King
Neena	Kochhar
Lex	De Haan
Alexander	Hunold
Bruce	Ernst

6. List out the employees whose last name is ‘AUSTIN’

SELECT First_Name, Last_Name FROM EMPLOYEES WHERE Last_Name = 'Austin';

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	SALARY

7. Find the names of the employees who works in departments 60,70 and 80

SELECT First_Name, Last_Name FROM EMPLOYEES WHERE Department_Id IN (60, 70, 80);

OUTPUT:

FIRST_NAME	LAST_NAME
Alexander	Hunold
Bruce	Ernst

8. Display the unique Manager_Id from employees table

```
SELECT DISTINCT Manager_Id FROM EMPLOYEES;
```

OUTPUT:

MANAGER_ID
NULL
100
102
103