Assignment No. 2

Assignment Title: SQL Queries:
Consider the given Database Schema: for problem statement 1
1. Dept (Deptno , Name , Location, Managerempid)
2. Employees (name, empid, address, city, dob, date_of_joining,gender, salary, deptno)
Gender must take value 'M' or 'F'.
3. Project(Projectid, title,city).
4. Works (empid , Projectid, total_hrs_worked);
5. Dependant(empid, name_of_dependant, age, relation)

Queries:

Enter password: ********

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 29

Server version: 8.1.0 MySQL Community Server - GPL

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.


```
mysql> USE TE_B_15;

Database changed

mysql> SHOW TABLES;

+-------------------+

| Tables_in_te_b_15 |

+-------------------+

| dept              |

| employees         |
```

```
+------------------+
```

2 rows in set (0.00 sec)

mysql> CREATE TABLE Project(Projectid int PRIMARY KEY, title varchar, city varchar);

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near ', city varchar)' at line 1

mysql> CREATE TABLE Project(Projectid int(3) PRIMARY KEY, title varchar(20), city varchar(20));

Query OK, 0 rows affected, 1 warning (0.14 sec)

mysql> CREATE TABLE Works(empid int FOREIHGN KEY REFERENCES Employees(empid), Projectid int FOREIGN KEY REFERENCES Project(Projectid), total_hrs_worked int);

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'FOREIHGN KEY REFERENCES Employees(empid), Projectid int FOREIGN KEY REFERENCES P' at line 1

mysql> CREATE TABLE Works(empid int, Projectid int,total_hrs_worked int);

Query OK, 0 rows affected (0.14 sec)

mysql> CREATE TABLE Dependant(empid int(3),name_of_department varchar(20), age int(2), relation varchar(20));

Query OK, 0 rows affected, 2 warnings (0.67 sec)

mysql> ALTER TABLE Dependant ADD FOREIGN KEY(empid) REFERENCES Employees(empid);

Query OK, 0 rows affected (0.28 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> desc Dependant;

```
+--------------------+-------------+------+-----+---------+-------+
| Field              | Type        | Null | Key | Default | Extra |
+--------------------+-------------+------+-----+---------+-------+
| empid              | int         | YES  | MUL | NULL    |       |
| name_of_department | varchar(20) | YES  |     | NULL    |       |
| age                | int         | YES  |     | NULL    |       |
| relation           | varchar(20) | YES  |     | NULL    |       |
```

```
+------------------+------------+------+-----+---------+-------+
```

4 rows in set (0.07 sec)

mysql> desc Project;

```
+-----------+-------------+------+-----+---------+-------+
| Field     | Type        | Null | Key | Default | Extra |
+-----------+-------------+------+-----+---------+-------+
| Projectid | int         | NO   | PRI | NULL    |       |
| title     | varchar(20) | YES  |     | NULL    |       |
| city      | varchar(20) | YES  |     | NULL    |       |
+-----------+-------------+------+-----+---------+-------+
```

3 rows in set (0.00 sec)

mysql> desc Works;

```
+------------------+------+------+-----+---------+-------+
| Field            | Type | Null | Key | Default | Extra |
+------------------+------+------+-----+---------+-------+
| empid            | int  | YES  |     | NULL    |       |
| Projectid        | int  | YES  |     | NULL    |       |
| total_hrs_worked | int  | YES  |     | NULL    |       |
+------------------+------+------+-----+---------+-------+
```

3 rows in set (0.00 sec)

mysql> ALTER TABLE Works ADD FOREIGN KEY(empid) REFERENCES Employees(empid);

Query OK, 0 rows affected (0.23 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> ALTER TABLE Works ADD FOREIGN KEY(Projectid) REFERENCES Project(Projectid);

Query OK, 0 rows affected (0.19 sec)

Records: 0 Duplicates: 0 Warnings: 0

```
mysql> desc Works;
+------------------+------+------+-----+---------+-------+
| Field            | Type | Null | Key | Default | Extra |
+------------------+------+------+-----+---------+-------+
| empid            | int  | YES  | MUL | NULL    |       |
| Projectid        | int  | YES  | MUL | NULL    |       |
| total_hrs_worked | int  | YES  |     | NULL    |       |
+------------------+------+------+-----+---------+-------+
3 rows in set (0.00 sec)


mysql> select * from Dept;
+--------+-------------+------------+--------------+
| Deptno | Name        | Location   | Managerempid |
+--------+-------------+------------+--------------+
|      1 | Development | Building 1 |          111 |
|      2 | Testing     | Building 2 |          112 |
|      3 | Planning    | Building 1 |          113 |
+--------+-------------+------------+--------------+
3 rows in set (0.00 sec)


mysql> desc Employees;
+-----------------+-------------+------+-----+---------+-------+
| Field           | Type        | Null | Key | Default | Extra |
+-----------------+-------------+------+-----+---------+-------+
| name            | varchar(20) | YES  |     | NULL    |       |
| empid           | int         | NO   | PRI | NULL    |       |
| address         | varchar(30) | YES  |     | NULL    |       |
| city            | varchar(20) | YES  |     | NULL    |       |
| dob             | varchar(10) | YES  |     | NULL    |       |
| date_of_joining | varchar(10) | YES  |     | NULL    |       |
```

```
| gender          | varchar(1) | YES |     | NULL    |       |
| salary          | int        | YES |     | NULL    |       |
| Deptno          | int        | YES | MUL | NULL    |       |
+-----------------+------------+------+-----+---------+-------+
```
9 rows in set (0.00 sec)

mysql> INSERT INTO Employees VALUES("Shraddha", 101, "Panchavati", "Nashik", "13/01/2001", "17/01/2022", "F", 30000,1);

Query OK, 1 row affected (0.12 sec)

mysql> INSERT INTO Employees VALUES("Saish", 102, "Bandra", "Mumbai", "11/03/1999", "24/07/2016", "M", 40000,2);

Query OK, 1 row affected (0.13 sec)

mysql> INSERT INTO Employees VALUES("Shreya", 103, "Borivali", "Mumbai", "01/09/2006", "10/05/2023", "F", 15000,2);

Query OK, 1 row affected (0.13 sec)

mysql> SELECT * FROM Employees;
```
+----------+-------+------------+--------+------------+----------------+--------+--------+--------+
| name     | empid | address    | city   | dob        | date_of_joining | gender | salary | Deptno |
+----------+-------+------------+--------+------------+----------------+--------+--------+--------+
| Shraddha |   101 | Panchavati | Nashik | 13/01/2001 | 17/01/2022     | F      | 30000  |     1  |
| Saish    |   102 | Bandra     | Mumbai | 11/03/1999 | 24/07/2016     | M      | 40000  |     2  |
| Shreya   |   103 | Borivali   | Mumbai | 01/09/2006 | 10/05/2023     | F      | 15000  |     2  |
+----------+-------+------------+--------+------------+----------------+--------+--------+--------+
```
3 rows in set (0.00 sec)

mysql> desc Project
    -> ;
```
+-----------+-------------+------+-----+---------+-------+
| Field     | Type        | Null | Key | Default | Extra |
```

```
+-----------+-------------+------+-----+---------+-------+
| Projectid | int         | NO   | PRI | NULL    |       |
| title     | varchar(20) | YES  |     | NULL    |       |
| city      | varchar(20) | YES  |     | NULL    |       |
+-----------+-------------+------+-----+---------+-------+
3 rows in set (0.00 sec)
```

mysql> INSERT INTO Project VALUES(001,"Banking Project","Pune");

Query OK, 1 row affected (0.08 sec)

mysql> INSERT INTO Project VALUES(002,"ERP System","Pune");

Query OK, 1 row affected (0.04 sec)

mysql> INSERT INTO Project VALUES(003,"Software Management","Mumbai");

Query OK, 1 row affected (0.02 sec)

mysql> INSERT INTO Project VALUES(004,"Testing Project","Bangalore");;

Query OK, 1 row affected (0.02 sec)

ERROR:

No query specified

mysql> SELECT * FROM Project;

```
+-----------+--------------------+-----------+
| Projectid | title              | city      |
+-----------+--------------------+-----------+
|         1 | Banking Project    | Pune      |
|         2 | ERP System         | Pune      |
|         3 | Software Management | Mumbai   |
|         4 | Testing Project    | Bangalore |
+-----------+--------------------+-----------+
```

4 rows in set (0.00 sec)

mysql> desc Works;

+------------------+------+------+-----+---------+-------+
| Field | Type | Null | Key | Default | Extra |
+------------------+------+------+-----+---------+-------+
empid	int	YES	MUL	NULL	
Projectid	int	YES	MUL	NULL	
total_hrs_worked	int	YES		NULL	
+------------------+------+------+-----+---------+-------+
3 rows in set (0.00 sec)

mysql> INSERT INTO Works VALUES(101,001,6);
Query OK, 1 row affected (0.13 sec)

mysql> INSERT INTO Works VALUES(102,002,3);
Query OK, 1 row affected (0.12 sec)

mysql> INSERT INTO Works VALUES(103,003,5);
Query OK, 1 row affected (0.12 sec)

mysql> SELECT * FROM Works;

+-------+-----------+------------------+
| empid | Projectid | total_hrs_worked |
+-------+-----------+------------------+
101	1	6
102	2	3
103	3	5
+-------+-----------+------------------+
3 rows in set (0.00 sec)

```
mysql> desc Dependant;

+-------------------+-------------+------+-----+---------+-------+
| Field             | Type        | Null | Key | Default | Extra |
+-------------------+-------------+------+-----+---------+-------+
| empid             | int         | YES  | MUL | NULL    |       |
| age               | int         | YES  |     | NULL    |       |
| relation          | varchar(20) | YES  |     | NULL    |       |
| name_of_dependant | varchar(20) | YES  |     | NULL    |       |
+-------------------+-------------+------+-----+---------+-------+
4 rows in set (0.00 sec)


mysql> INSERT INTO Dependant VALUES(101,22,"Sarika","MOTHER");
Query OK, 1 row affected (0.13 sec)


mysql> INSERT INTO Dependant VALUES(102,25,"Rajesh","Father");
Query OK, 1 row affected (0.04 sec)


mysql> INSERT INTO Dependant VALUES(103,19,"Yash","Brother");
Query OK, 1 row affected (0.05 sec)


mysql> SELECT * FROM Dependant;;

+-------+------+----------+-------------------+
| empid | age  | relation | name_of_dependant |
+-------+------+----------+-------------------+
|   101 |   22 | Sarika   | MOTHER            |
|   102 |   25 | Rajesh   | Father            |
|   103 |   19 | Yash     | Brother           |
+-------+------+----------+-------------------+
3 rows in set (0.00 sec)
```

```
mysql> select * from Employees;

+----------+-------+------------+--------+------------+----------------+--------+--------+--------+
| name     | empid | address    | city   | dob        | date_of_joining | gender | salary | Deptno |
+----------+-------+------------+--------+------------+----------------+--------+--------+--------+
| Shraddha |   101 | Panchavati | Nashik | 13/01/2001 | 17/01/2022     | F      | 30000  |     1  |
| Saish    |   102 | Bandra     | Mumbai | 11/03/1999 | 24/07/2016     | M      | 40000  |     2  |
| Shreya   |   103 | Borivali   | Mumbai | 01/09/2006 | 10/05/2023     | F      | 15000  |     2  |
+----------+-------+------------+--------+------------+----------------+--------+--------+--------+
3 rows in set (0.00 sec)


mysql> ALTER TABLE Employees ADD COLUMN Mobile_No int(10);
Query OK, 0 rows affected, 1 warning (0.13 sec)
Records: 0  Duplicates: 0  Warnings: 1


mysql> INSERT INTO Employees(Mobile_No) values((7385597810),(8669014705),(7678008828));
ERROR 1136 (21S01): Column count doesn't match value count at row 1
mysql> select * from Employees;

+----------+-------+------------+--------+------------+----------------+--------+--------+--------+-----------+
| name     | empid | address    | city   | dob        | date_of_joining | gender | salary | Deptno | Mobile_No |
+----------+-------+------------+--------+------------+----------------+--------+--------+--------+-----------+
| Shraddha |   101 | Panchavati | Nashik | 13/01/2001 | 17/01/2022     | F      | 30000  |     1  | NULL |
| Saish    |   102 | Bandra     | Mumbai | 11/03/1999 | 24/07/2016     | M      | 40000  |     2  | NULL |
| Shreya   |   103 | Borivali   | Mumbai | 01/09/2006 | 10/05/2023     | F      | 15000  |     2  |   NULL |
+----------+-------+------------+--------+------------+----------------+--------+--------+--------+-----------+
3 rows in set (0.00 sec)


mysql> INSERT INTO Employees(Mobile_No) values((7385597810),(8669014705),(7678008828));
ERROR 1136 (21S01): Column count doesn't match value count at row 1
```

```
mysql> desc Employees;
+-----------------+-------------+------+-----+---------+-------+
| Field           | Type        | Null | Key | Default | Extra |
+-----------------+-------------+------+-----+---------+-------+
| name            | varchar(20) | YES  |     | NULL    |       |
| empid           | int         | NO   | PRI | NULL    |       |
| address         | varchar(30) | YES  |     | NULL    |       |
| city            | varchar(20) | YES  |     | NULL    |       |
| dob             | varchar(10) | YES  |     | NULL    |       |
| date_of_joining | varchar(10) | YES  |     | NULL    |       |
| gender          | varchar(1)  | YES  |     | NULL    |       |
| salary          | int         | YES  |     | NULL    |       |
| Deptno          | int         | YES  | MUL | NULL    |       |
| Mobile_No       | int         | YES  |     | NULL    |       |
+-----------------+-------------+------+-----+---------+-------+
10 rows in set (0.00 sec)
```

mysql> ALTER TABLE Employees modify COLUMN Mobile_No int(10);

Query OK, 0 rows affected, 1 warning (0.05 sec)

Records: 0 Duplicates: 0 Warnings: 1

mysql> INSERT INTO Employees(Mobile_No) values((7385597810),(8669014705),(7678008828));

ERROR 1136 (21S01): Column count doesn't match value count at row 1

mysql> ALTER TABLE Employees modify COLUMN Mobile_No int(20);

Query OK, 0 rows affected, 1 warning (0.05 sec)

Records: 0 Duplicates: 0 Warnings: 1

mysql> INSERT INTO Employees(Mobile_No) values((7385597810),(8669014705),(7678008828));

ERROR 1136 (21S01): Column count doesn't match value count at row 1

mysql> ALTER TABLE Employees modify COLUMN Mobile_No bigint(10);

Query OK, 3 rows affected, 1 warning (0.23 sec)

Records: 3 Duplicates: 0 Warnings: 1

mysql> INSERT INTO Employees(Mobile_No) values((7385597810),(8669014705),(7678008828));

ERROR 1136 (21S01): Column count doesn't match value count at row 1

mysql> INSERT INTO Employees(Mobile_No) values(7385597810);

ERROR 1364 (HY000): Field 'empid' doesn't have a default value

mysql> INSERT INTO Employees(Mobile_No) values(7385597810) where empid=101;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'where empid=101' at line 1

mysql> Update table Employees set Mobile_No=7385597810 where empid=101;

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'table Employees set Mobile_No=7385597810 where empid=101' at line 1

mysql> Update Employees set Mobile_No=7385597810 where empid=101;

Query OK, 1 row affected (0.03 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select * from Employees;

+----------+-------+------------+--------+------------+----------------+--------+--------+--------+------------+
| name | empid | address | city | dob | date_of_joining | gender | salary | Deptno | Mobile_No |
+----------+-------+------------+--------+------------+----------------+--------+--------+--------+------------+
Shraddha	101	Panchavati	Nashik	13/01/2001	17/01/2022	F	30000	1	7385597810
Saish	102	Bandra	Mumbai	11/03/1999	24/07/2016	M	40000	2	NULL
Shreya	103	Borivali	Mumbai	01/09/2006	10/05/2023	F	15000	2	NULL
+----------+-------+------------+--------+------------+----------------+--------+--------+--------+------------+

3 rows in set (0.00 sec)

mysql> Update Employees set Mobile_No=8669014705 where empid=102;

Query OK, 1 row affected (0.13 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> Update Employees set Mobile_No=7678008828 where empid=103;

Query OK, 1 row affected (0.07 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql>

mysql> select * from employees;

+----------+-------+------------+--------+------------+----------------+--------+--------+--------+------------+
| name | empid | address | city | dob | date_of_joining | gender | salary | Deptno | Mobile_No |
+----------+-------+------------+--------+------------+----------------+--------+--------+--------+------------+
Shraddha	101	Panchavati	Nashik	13/01/2001	17/01/2022	F	30000	1	7385597810
Saish	102	Bandra	Mumbai	11/03/1999	24/07/2016	M	40000	2	8669014705
Shreya	103	Borivali	Mumbai	01/09/2006	10/05/2023	F	15000	2	7678008828
+----------+-------+------------+--------+------------+----------------+--------+--------+--------+------------+

3 rows in set (0.00 sec)

mysql> select * from Project

    -> ;

+-----------+--------------------+-----------+
| Projectid | title | city |
+-----------+--------------------+-----------+
1	Banking Project	Pune
2	ERP System	Pune
3	Software Management	Mumbai
4	Testing Project	Bangalore
+-----------+--------------------+-----------+

4 rows in set (0.00 sec)

mysql> Delete from Project where title="Testing Project";

Query OK, 1 row affected (0.10 sec)

mysql> select * from Project;

```
+-----------+--------------------+--------+
| Projectid | title              | city   |
+-----------+--------------------+--------+
|         1 | Banking Project    | Pune   |
|         2 | ERP System         | Pune   |
|         3 | Software Management | Mumbai |
+-----------+--------------------+--------+
```

3 rows in set (0.00 sec)

mysql> select * from Employees;

```
+----------+-------+-----------+--------+------------+----------------+--------+--------+--------+-----------+
| name     | empid | address   | city   | dob        | date_of_joining | gender | salary | Deptno | Mobile_No |
+----------+-------+-----------+--------+------------+----------------+--------+--------+--------+-----------+
| Shraddha |   101 | Panchavati | Nashik | 13/01/2001 | 17/01/2022     | F      |  30000 |      1 | 7385597810 |
| Saish    |   102 | Bandra    | Mumbai | 11/03/1999 | 24/07/2016     | M      |  40000 |      2 | 8669014705 |
| Shreya   |   103 | Borivali  | Mumbai | 01/09/2006 | 10/05/2023     | F      |  15000 |      2 | 7678008828 |
| Yash     |   104 | Hinjewadi | Pune   | 25/12/2004 | 08/02/2022     | M      |  45000 |      3 | 7676354735 |
+----------+-------+-----------+--------+------------+----------------+--------+--------+--------+-----------+
```

4 rows in set (0.00 sec)

mysql> SELECT Name FROM Employees where Name like "S%";

```
+----------+
```

```
| Name     |
+----------+
| Shraddha |
| Saish    |
| Shreya   |
+----------+
3 rows in set (0.06 sec)
```

mysql> SELECT * FROM Dept;

```
+--------+-------------+-----------+--------------+
| Deptno | Name        | Location  | Managerempid |
+--------+-------------+-----------+--------------+
|      1 | Development | Building 1 |         111 |
|      2 | Testing     | Building 2 |         112 |
|      3 | Planning    | Building 1 |         113 |
+--------+-------------+-----------+--------------+
3 rows in set (0.00 sec)
```

mysql> SELECT Name from Dept where Location="Building 1";

```
+-------------+
| Name        |
+-------------+
| Development |
| Planning    |
+-------------+
2 rows in set (0.00 sec)
```

mysql> select * from Employees;

```
+----------+-------+------------+--------+-----------+----------------+--------+--------+--------+------------+
```

| name | empid | address | city | dob | date_of_joining | gender | salary | Deptno | Mobile_No |

+----------+-------+------------+--------+------------+-----------------+--------+--------+--------+------------+

| Shraddha | 101 | Panchavati | Nashik | 13/01/2001 | 2022-01-17 | F | 30000 | 1 | 7385597810 |

| Saish | 102 | Bandra | Mumbai | 11/03/1999 | 2016-07-24 | M | 40000 | 2 | 8669014705 |

| Shreya | 103 | Borivali | Mumbai | 01/09/2006 | 2023-05-10 | F | 15000 | 2 | 7678008828 |

| Yash | 104 | Hinjewadi | Pune | 25/12/2004 | 2019-12-10 | M | 45000 | 3 | 7676354735 |

| Divya | 105 | Satpur | Nashik | 10/03/2002 | 2019-11-11 | F | 55000 | 3 | 9988332244 |

+----------+-------+------------+--------+------------+-----------------+--------+--------+--------+------------+

5 rows in set (0.00 sec)

mysql> SELECT * FROM Employees where date_of_joining BETWEEN '01/01/2019' AND '01/01/2020';

Empty set (0.00 sec)

mysql> SELECT * FROM Employees where date_of_joining BETWEEN '2019-01-01' AND '2020-01-01';

+-------+-------+-----------+--------+------------+-----------------+--------+--------+--------+------------+

| name | empid | address | city | dob | date_of_joining | gender | salary | Deptno | Mobile_No |

+-------+-------+-----------+--------+------------+-----------------+--------+--------+--------+------------+

| Yash | 104 | Hinjewadi | Pune | 25/12/2004 | 2019-12-10 | M | 45000 | 3 | 7676354735 |

| Divya | 105 | Satpur | Nashik | 10/03/2002 | 2019-11-11 | F | 55000 | 3 | 9988332244 |

+-------+-------+-----------+--------+------------+-----------------+--------+--------+--------+------------+

2 rows in set (0.00 sec)

mysql> SELECT * FROM Employees;

+----------+-------+------------+--------+------------+-----------------+--------+--------+--------+------------+

| name | empid | address | city | dob | date_of_joining | gender | salary | Deptno |
Mobile_No |

+----------+-------+-------------+--------+------------+-----------------+--------+--------+--------+------------+

| Shraddha | 101 | Panchavati | Nashik | 13/01/2001 | 2022-01-17 | F | 30000 | 1 |
7385597810 |

| Saish | 102 | Bandra | Mumbai | 11/03/1999 | 2016-07-24 | M | 40000 | 2 |
8669014705 |

| Shreya | 103 | Borivali | Mumbai | 01/09/2006 | 2023-05-10 | F | 15000 | 2 |
7678008828 |

| Yash | 104 | Hinjewadi | Pune | 25/12/2004 | 2019-12-10 | M | 45000 | 3 |
7676354735 |

| Divya | 105 | Satpur | Nashik | 10/03/2002 | 2019-11-11 | F | 55000 | 3 |
9988332244 |

+----------+-------+-------------+--------+------------+-----------------+--------+--------+--------+------------+

5 rows in set (0.00 sec)

mysql> SELECT * FROM Employees WHERE Salary > 50000;

+-------+-------+---------+--------+------------+-----------------+--------+--------+--------+------------+

| name | empid | address | city | dob | date_of_joining | gender | salary | Deptno |
Mobile_No |

+-------+-------+---------+--------+------------+-----------------+--------+--------+--------+------------+

| Divya | 105 | Satpur | Nashik | 10/03/2002 | 2019-11-11 | F | 55000 | 3 | 9988332244
|

+-------+-------+---------+--------+------------+-----------------+--------+--------+--------+------------+

1 row in set (0.00 sec)

mysql>

mysql> SELECT * FROM Project;

+-----------+--------------------+--------+

| Projectid | title | city |

+-----------+--------------------+--------+

| 1 | Banking Project | Pune |

```
|         2 | ERP System          | Pune   |
|         3 | Software Management | Mumbai |
+-----------+---------------------+--------+
3 rows in set (0.00 sec)


mysql> SELECT * FROM Project WHERE city="Pune";
+-----------+-----------------+------+
| Projectid | title           | city |
+-----------+-----------------+------+
|         1 | Banking Project | Pune |
|         2 | ERP System      | Pune |
+-----------+-----------------+------+
2 rows in set (0.00 sec)




mysql> SELECT * FROM Dependant;
+-------+------+----------+-------------------+
| empid | age  | relation | name_of_dependant |
+-------+------+----------+-------------------+
|   101 |   22 | Sarika   | MOTHER            |
|   102 |   25 | Rajesh   | Father            |
|   103 |   19 | Yash     | Brother           |
+-------+------+----------+-------------------+
3 rows in set (0.01 sec)


mysql> SELECT name_of_dependant from Dependant where empid = 102;
+-------------------+
| name_of_dependant |
+-------------------+
| Father            |
```

```
+-------------------+
```
1 row in set (0.00 sec)

mysql> SELECT * FROM Dependant;
```
+-------+------+----------+-------------------+
| empid | age  | relation | name_of_dependant |
+-------+------+----------+-------------------+
|   101 |   22 | Sarika   | MOTHER            |
|   102 |   25 | Rajesh   | Father            |
|   103 |   19 | Yash     | Brother           |
+-------+------+----------+-------------------+
```
3 rows in set (0.00 sec)

mysql> SELECT empid, age from Dependant;
```
+-------+------+
| empid | age  |
+-------+------+
|   101 |   22 |
|   102 |   25 |
|   103 |   19 |
+-------+------+
```
3 rows in set (0.00 sec)

mysql> SELECT * FROM Dependant ORDER BY age desc;
```
+-------+------+----------+-------------------+
| empid | age  | relation | name_of_dependant |
+-------+------+----------+-------------------+
|   102 |   25 | Rajesh   | Father            |
|   101 |   22 | Sarika   | MOTHER            |
```

```
|   103 |   19 | Yash    | Brother         |
+-------+------+----------+-------------------+
```
3 rows in set (0.00 sec)