mysql> create database Assignment1;

Query OK, 1 row affected (0.03 sec)

mysql> use assignment1;

Database changed

mysql> create table employee(employeeID int primary key, firstName varchar(12),lastName varchar(10),gender enum('m','f'));

Query OK, 0 rows affected (0.07 sec)

mysql> desc employee;

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

| Field | Type | Null | Key | Default | Extra |

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

| employeeID | int | NO | PRI | NULL | |

| firstName | varchar(12) | YES | | NULL | |

| lastName | varchar(10) | YES | | NULL | |

| gender | enum('m','f') | YES | | NULL | |

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

4 rows in set (0.00 sec)

mysql> alter table employee add hiredate date;

Query OK, 0 rows affected (0.04 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> insert into employee values(1,'Tejas','Jawale','M',20220516);

Query OK, 1 row affected (0.00 sec)

mysql> insert into employee values(2,'Ruchita','Patil','M',20220516),(3,'Mayur','Nigade','M',20220517);

Query OK, 2 rows affected (0.00 sec)

Records: 2 Duplicates: 0 Warnings: 0

mysql> select \* from employee;

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

| employeeID | firstName | lastName | gender | hiredate |

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

| 1 | Tejas | Jawale | m | 2022-05-16 |

| 2 | Ruchita | Patil | m | 2022-05-16 |

| 3 | Mayur | Nigade | m | 2022-05-17 |

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

3 rows in set (0.00 sec)

mysql> desc Employee;

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

| Field | Type | Null | Key | Default | Extra |

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

| employeeID | int | NO | PRI | NULL | |

| firstName | varchar(12) | YES | | NULL | |

| lastName | varchar(10) | YES | | NULL | |

| gender | enum('m','f') | YES | | NULL | |

| hiredate | date | YES | | NULL | |

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

5 rows in set (0.00 sec)

mysql> create table department(department\_id int primary key,name varchar(20),location set('VADODARA', 'SURAT', 'ANAND', 'RAJKOT', 'JAMNAGAR', 'NAVSAR','BHARUCH','VAPI'));

Query OK, 0 rows affected (0.07 sec)

mysql> desc department;

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

| Field | Type | Null | Key | Default | Extra |

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

| department\_id | int | NO | PRI | NULL | |

| name | varchar(20) | YES | | NULL | |

| location | set('VADODARA','SURAT','ANAND','RAJKOT','JAMNAGAR','NAVSAR','BHARUCH','VAPI') | YES | | NULL | |

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

3 rows in set (0.00 sec)

mysql> insert into department values(1,'physics',3);

Query OK, 1 row affected (0.00 sec)

mysql> insert into department values(2,'Maths','VAPI');

Query OK, 1 row affected (0.00 sec)

mysql> insert into department values(10,'physics',1);

Query OK, 1 row affected (0.00 sec)

mysql> insert into department values(8,'Maths',5);

Query OK, 1 row affected (0.00 sec)

mysql> select \* from department;

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

| department\_id | name | location |

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

| 1 | physics | VADODARA,SURAT |

| 2 | Maths | VAPI |

| 8 | Maths | VADODARA,ANAND |

| 10 | physics | VADODARA |

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

4 rows in set (0.00 sec)

mysql> create table employee\_department (id int primary key , department\_id int, foreign key(department\_id) references department(department\_id) , employeeID int, foreign key (employeeID) references employee(employeeID),fromdate date, todate date);

Query OK, 0 rows affected (0.11 sec)

mysql> desc employee\_department;

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

| Field | Type | Null | Key | Default | Extra |

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

| id | int | NO | PRI | NULL | |

| department\_id | int | YES | MUL | NULL | |

| employeeID | int | YES | MUL | NULL | |

| fromdate | date | YES | | NULL | |

| todate | date | YES | | NULL | |

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

5 rows in set (0.00 sec)

mysql> create table salary (id int primary key, employeeid int ,foreign key(employeeid) references employee(employeeID),fromdate date,todate date, salary int);

Query OK, 0 rows affected (0.11 sec)

mysql> desc salary;

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

| Field | Type | Null | Key | Default | Extra |

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

| id | int | NO | PRI | NULL | |

| employeeid | int | YES | MUL | NULL | |

| fromdate | date | YES | | NULL | |

| todate | date | YES | | NULL | |

| salary | int | YES | | NULL | |

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

5 rows in set (0.00 sec)

mysql> create table commission (id int primary key,employeeid int, foreign key(employeeid) references employee(employeeid),fromdate date,todate date,commission int);

Query OK, 0 rows affected (0.11 sec)

mysql> desc commission;

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

| Field | Type | Null | Key | Default | Extra |

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

| id | int | NO | PRI | NULL | |

| employeeid | int | YES | MUL | NULL | |

| fromdate | date | YES | | NULL | |

| todate | date | YES | | NULL | |

| commission | int | YES | | NULL | |

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

5 rows in set (0.00 sec)

mysql> create table contact (id int primary key, employeeid int , foreign key(employeeid) references employee(employeeid) , phonenumber bigint(12), emailID varchar(40));

Query OK, 0 rows affected, 1 warning (0.10 sec)

mysql> desc contact;

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

| Field | Type | Null | Key | Default | Extra |

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

| id | int | NO | PRI | NULL | |

| employeeid | int | YES | MUL | NULL | |

| phonenumber | bigint | YES | | NULL | |

| emailID | varchar(40) | YES | | NULL | |

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

4 rows in set (0.00 sec)

mysql> create table address (id int primary key , employeeid int, foreign key (employeeid) references employee(employeeid),line1 varchar(30), line2 varchar(30), city varchar(20), pin int);

Query OK, 0 rows affected (0.18 sec)

mysql> desc address;

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

| Field | Type | Null | Key | Default | Extra |

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

| id | int | NO | PRI | NULL | |

| employeeid | int | YES | MUL | NULL | |

| line1 | varchar(30) | YES | | NULL | |

| line2 | varchar(30) | YES | | NULL | |

| city | varchar(20) | YES | | NULL | |

| pin | int | YES | | NULL | |

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

6 rows in set (0.00 sec)

mysql> create table qualification (id int primary key,employeeid int , foreign key(employeeid) references employee(employeeid), name varchar(10),stream varchar(18),admissionyear date,institute varchar(15),university varchar(25),yearofpassing int,percentage float(7,2),grade enum('A+','A','B+','B','C+','C'));

Query OK, 0 rows affected, 1 warning (0.09 sec)

mysql> desc qualification;

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

| Field | Type | Null | Key | Default | Extra |

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

| id | int | NO | PRI | NULL | |

| employeeid | int | YES | MUL | NULL | |

| name | varchar(10) | YES | | NULL | |

| stream | varchar(18) | YES | | NULL | |

| admissionyear | date | YES | | NULL | |

| institute | varchar(15) | YES | | NULL | |

| university | varchar(25) | YES | | NULL | |

| yearofpassing | int | YES | | NULL | |

| percentage | float(7,2) | YES | | NULL | |

| grade | enum('A+','A','B+','B','C+','C') | YES | | NULL | |

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

10 rows in set (0.00 sec)

mysql> create table hobbies(id int primary key, employeeid int,foreign key(employeeid) references employee(employeeid),name varchar(25));

Query OK, 0 rows affected (0.08 sec)

mysql> desc hobbies;

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

| Field | Type | Null | Key | Default | Extra |

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

| id | int | NO | PRI | NULL | |

| employeeid | int | YES | MUL | NULL | |

| name | varchar(25) | YES | | NULL | |

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

3 rows in set (0.01 sec)

mysql> create table jobhistory (id int primary key, employeeid int , foreign key(employeeid) references employee(employeeid), employer varchar(20),fromdate date, todate date, nature\_of\_job varchar(50));

Query OK, 0 rows affected (0.09 sec)

mysql> desc jobhistory;

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

| Field | Type | Null | Key | Default | Extra |

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

| id | int | NO | PRI | NULL | |

| employeeid | int | YES | MUL | NULL | |

| employer | varchar(20) | YES | | NULL | |

| fromdate | date | YES | | NULL | |

| todate | date | YES | | NULL | |

| nature\_of\_job | varchar(50) | YES | | NULL | |

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

6 rows in set (0.00 sec)