```
mysql> create database emp;
Query OK, 1 row affected (0.00 sec)

mysql> use emp;
Database changed
mysql> create table dept(deptno(2,0)primary key,dname varchar(14) default null);
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 '(2,0)primary key,dname varchar(14) default null)' at l
ine 1
mysql> create table dept(deptno(2)primary key,dname varchar(14) default null);
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 '(2)primary key,dname varchar(14) default null)' at lin
e 1
mysql> CREATE TABLE dept (
    -> deptno decimal(2,0) primary key,
    -> dname varchar(14) default NULL,
    -> loc varchar(13) default NULL
    -> );
Query OK, 0 rows affected (0.02 sec)

mysql> CREATE TABLE emp (
    -> empno decimal(4,0) primary key,
    -> ename varchar(10) default NULL,
    -> mgr_no decimal(4,0) default NULL,
    -> hiredate date default NULL,
    -> sal decimal(7,2) default NULL,
    -> deptno decimal(2,0) references dept(deptno) on delete cascade on update cascade
    -> );
Query OK, 0 rows affected (0.02 sec)

mysql> create table incentives (
    -> empno decimal(4,0) references emp(empno) on delete cascade on update cascade,
    -> incentive_date date,
    -> incentive_amount decimal(10,2),
    -> primary key(empno,incentive_date)
    -> );
Query OK, 0 rows affected (0.02 sec)

mysql> Create table project (
    -> pno int primary key,
```

```
mysql> Create table project (
    -> pno int primary key,
    -> pname varchar(30) not null,
    -> ploc varchar(30)
    -> );
Query OK, 0 rows affected (0.02 sec)

mysql> Create table assigned_to (
    -> empno decimal(4,0) references emp(empno) on delete cascade on update cascade,
    -> pno int references project(pno) on delete cascade on update cascade,
    -> job_role varchar(30),
    -> primary key(empno,pno)
    -> );
Query OK, 0 rows affected (0.02 sec)

mysql> show tables;
+---------------+
| Tables_in_emp |
+---------------+
| assigned_to   |
| dept          |
| emp           |
| incentives    |
| project       |
+---------------+
5 rows in set (0.00 sec)

mysql> insert into dept values(10,'accounting','mumbai');
Query OK, 1 row affected (0.00 sec)

mysql> insert into dept values(20,'research','bengaluru');
Query OK, 1 row affected (0.00 sec)

mysql> insert into dept values(30,'sales','delhi');
Query OK, 1 row affected (0.00 sec)

mysql> insert into dept values(40,'operations','chennai');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO emp VALUES (7369,'Adarsh',7902,'2012-12-17','80000.00','20');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO emp VALUES (7499,'Shruthi',7698,'2013-02-20','16000.00','30');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO emp VALUES (7521,'Anvitha',7698,'2015-02-22','12500.00','30');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO emp VALUES (7566,'Tanvir',7839,'2008-04-02','29750.00','20');
Query OK, 1 row affected (0.00 sec)
```

```
mysql> ^C
mysql> INSERT INTO emp VALUES(7655,'kumar',7839,'2015-05-01','28500.00','30');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO emp VALUES ('7839','KING',NULL,'2009-11-17','500000.00','10');
ERROR 1264 (22003): Out of range value for column 'sal' at row 1
mysql> INSERT INTO emp VALUES ('7844','TURNER',7698,'2010-09-08','15000.00','30');
ERROR 1062 (23000): Duplicate entry '7844' for key 'PRIMARY'
mysql> INSERT INTO emp VALUES ('7845','TURNER',7698,'2010-09-08','15000.00','30');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO emp VALUES ('7876','adams',7788,'2013-01-12','11000.00.00','20');
ERROR 1366 (HY000): Incorrect decimal value: '11000.00.00' for column 'sal' at row 1
mysql>  INSERT INTO emp VALUES ('7876','adams',7788,'2013-01-12','11000.00','20');
Query OK, 1 row affected (0.00 sec)

mysql>  INSERT INTO emp VALUES ('7900','JAMES',7698,'2017-12-03','9500.00','30');
Query OK, 1 row affected (0.00 sec)

mysql>  INSERT INTO emp VALUES ('7902','FORD',7566,'2010-12-03','30000.00','20');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO incentives VALUES(7499,'2019-02-01',5000.00);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO incentives VALUES(7521,'2019-03-01',2500.00);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO incentives VALUES(7566,'2022-02-01',5070.00);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO incentives VALUES(7654,'2020-02-01',2000.00);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO incentives VALUES(7654,'2022-04-01',879.00);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO incentives VALUES(7521,'2019-02-01',8000.00);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO incentives VALUES(7698,'2019-03-01',500.00);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO incentives VALUES(7698,'2020-03-01',9000.00);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO incentives VALUES(7698,'2022-04-01',4500.00);
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO project VALUES(101,'AI Project','BENGALURU');
Query OK, 1 row affected (0.00 sec)
```

```
mysql> INSERT INTO project VALUES(102,'IOT','HYDERABAD');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO project VALUES(103,'BLOCKCHAIN','BENGALURU');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO project VALUES(104,'DATA SCIENCE','MYSURU');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO project VALUES(105,'AUTONOMUS SYSTEMS','PUNE');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO assigned_to VALUES(7499,101,'Software Engineer');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO assigned_to VALUES(7521,101,'Software Architect');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO assigned_to VALUES(7566,101,'Project Manager');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO assigned_to VALUES(7654,102,'Sales');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO assigned_to VALUES(7521,102,'Software Engineer');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO assigned_to VALUES(7499,102,'Software Engineer');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO assigned_to VALUES(7654,103,'Cyber Security');
Query OK, 1 row affected (0.00 sec)

mysql>
mysql> INSERT INTO assigned_to VALUES(7698,104,'Software Engineer');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO assigned_to VALUES(7900,105,'Software Engineer');
Query OK, 1 row affected (0.00 sec)

mysql> INSERT INTO assigned_to VALUES(7839,104,'General Manager');
Query OK, 1 row affected (0.00 sec)

mysql> SELECT * FROM DEPT;
+--------+------------+-----------+
| deptno | dname      | loc       |
+--------+------------+-----------+
|     10 | accounting | mumbai    |
|     20 | research   | bengaluru |
|     30 | sales      | delhi     |
```

ERROR 1064 (42000): You have an error in your SQL
mysql> SELECT * FROM PROJECT;

```
+-----+-------------------+-----------+
| pno | pname             | ploc      |
+-----+-------------------+-----------+
| 101 | AI Project        | BENGALURU |
| 102 | IOT               | HYDERABAD |
| 103 | BLOCKCHAIN        | BENGALURU |
| 104 | DATA SCIENCE      | MYSURU    |
| 105 | AUTONOMUS SYSTEMS | PUNE      |
+-----+-------------------+-----------+
```

5 rows in set (0.00 sec)

mysql> SELECT * FROM ASSIGNED_TO;

```
+-------+-----+--------------------+
| empno | pno | job_role           |
+-------+-----+--------------------+
|  7499 | 101 | Software Engineer  |
|  7499 | 102 | Software Engineer  |
|  7521 | 101 | Software Architect |
|  7521 | 102 | Software Engineer  |
|  7566 | 101 | Project Manager    |
|  7654 | 102 | Sales              |
|  7654 | 103 | Cyber Security     |
|  7698 | 104 | Software Engineer  |
|  7839 | 104 | General Manager    |
|  7900 | 105 | Software Engineer  |
+-------+-----+--------------------+
```

10 rows in set (0.00 sec)

mysql>

```
|    10 | accounting | mumbai    |
|    20 | research   | bengaluru |
|    30 | sales      | delhi     |
|    40 | operations | chennai   |
+-------+------------+-----------+
4 rows in set (0.00 sec)

mysql> SELECT * FROM EMP;
+-------+---------+--------+------------+----------+--------+
| empno | ename   | mgr_no | hiredate   | sal      | deptno |
+-------+---------+--------+------------+----------+--------+
|  7369 | Adarsh  |   7902 | 2012-12-17 | 80000.00 |     20 |
|  7499 | Shruthi |   7698 | 2013-02-20 | 16000.00 |     30 |
|  7521 | Anvitha |   7698 | 2015-02-22 | 12500.00 |     30 |
|  7566 | Tanvir  |   7839 | 2008-04-02 | 29750.00 |     20 |
|  7654 | ramesh  |   7698 | 2014-09-28 | 12500.00 |     30 |
|  7655 | kumar   |   7839 | 2015-05-01 | 28500.00 |     30 |
|  7698 | Kumar   |   7839 | 2015-05-01 | 28500.00 |     30 |
|  7782 | CLARK   |   7839 | 2017-06-09 | 24500.00 |     10 |
|  7788 | SCOTT   |   7566 | 2010-12-09 | 30000.00 |     20 |
|  7844 | TURNER  |   7698 | 2010-09-08 | 15000.00 |     30 |
|  7845 | TURNER  |   7698 | 2010-09-08 | 15000.00 |     30 |
|  7876 | adams   |   7788 | 2013-01-12 | 11000.00 |     20 |
|  7900 | JAMES   |   7698 | 2017-12-03 |  9500.00 |     30 |
|  7902 | FORD    |   7566 | 2010-12-03 | 30000.00 |     20 |
+-------+---------+--------+------------+----------+--------+
14 rows in set (0.00 sec)

mysql> SELECT * FROM INCENTIVES;
+-------+---------------+------------------+
| empno | incentive_date | incentive_amount |
+-------+---------------+------------------+
|  7499 | 2019-02-01    |          5000.00 |
|  7521 | 2019-02-01    |          8000.00 |
|  7521 | 2019-03-01    |          2500.00 |
|  7566 | 2022-02-01    |          5070.00 |
|  7654 | 2020-02-01    |          2000.00 |
|  7654 | 2022-04-01    |           879.00 |
|  7698 | 2019-03-01    |           500.00 |
|  7698 | 2020-03-01    |          9000.00 |
|  7698 | 2022-04-01    |          4500.00 |
+-------+---------------+------------------+
9 rows in set (0.00 sec)

mysql> SELECT * PROJECT;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual
mysql> SELECT * FROM PROJECT;
+-----+------------+-----------+
| pno | pname      | ploc      |
+-----+------------+-----------+
| 101 | AI Project | BENGALURU |
```