**Assignment no: 1**

**Creating Sample table**

Create the following tables with the given structures and insert sample data as specified: -

1. SALESPEOPLE

Snum int(4)

Sname varchar(10)

City varchar(10)

Comm float(3,2)

**Answer:**

create table SALESPEOPLE

(

Snum int(4),

Sname varchar(10),

City varchar(10),

Comm float(3,2)

);

Query OK, 0 rows affected, 2 warnings (0.05 sec)

1. CUSTOMERS

Cnum int(4)

Cname varchar(10)

City varchar(10)

Rating int(4)

Snum int(4)

**Answer:-**

create table CUSTOMERS

(

Cnum int(4),

Cname varchar(10),

City varchar(10),

Rating int(4),

Snum int(4)

);

Query OK, 0 rows affected, 3 warnings (0.03 sec)

1. ORDERS

Onum int(4)

Amt float(7,2)

Odate date

Cnum int(4)

Snum int(4)

Answer:-

mysql> CREATE TABLE ORDERS

-> (

-> Onum int(4),

-> Amt float(7,2),

-> Odate date,

-> Cnum int(4),

-> Snum int(4)

-> );

Query OK, 0 rows affected, 4 warnings (0.03 sec)

Q1) mysql> INSERT INTO SALESPEOPLE

-> values(1001,'Peel','London',.12);

Query OK, 1 row affected (0.01 sec)

Q2) mysql> insert into SALESPEOPLE(COMM,CITY,SNAME,SNUM)

-> values(.13,'San Jose','Serres', 1002);

Query OK, 1 row affected (0.01 sec)

Q3) mysql> insert into SALESPEOPLE values

-> (1004, 'Motika', 'London', .11),

-> (1007, 'Rifkin', 'Barcelona', .15),

-> (1003, 'Axelord', 'New york', .10);

Query OK, 3 rows affected (0.01 sec)

Records: 3 Duplicates: 0 Warnings: 0

mysql> select \* from SALESPEOPLE;

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

| Snum | Sname | City | Comm |

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

| 1001 | Peel | London | 0.12 |

| 1002 | Serres | San Jose | 0.13 |

| 1004 | Motika | London | 0.11 |

| 1007 | Rifkin | Barcelona | 0.15 |

| 1003 | Axelord | New york | 0.10 |

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

5 rows in set (0.00 sec)

Table CUSTOMERS

mysql> insert into CUSTOMERS(SNUM, RATING, CITY, CNAME, CNUM)

-> values(1003,200,'Rome', 'Giovanni', 2002);

Query OK, 1 row affected (0.01 sec)

mysql> insert into CUSTOMERS(SNUM, RATING, CITY, CNAME, CNUM)

-> values(1003,200,'Rome', 'Giovanni', 2002);

Query OK, 1 row affected (0.01 sec)

mysql> insert into CUSTOMERS values

-> (2003, 'Liu', 'San Jose', 200, 1002),

-> (2004, 'Grass', 'Berlin', 300, 1002),

-> (2006, 'Clemens', 'Londin', 100, 1001),

-> (2008, 'Cisneros', 'San Jose', 300, 1007),

-> (2007, 'Pereira', 'Rome', 100, 1004);

Query OK, 5 rows affected (0.00 sec)

Records: 5 Duplicates: 0 Warnings: 0

mysql> select \* from CUSTOMERS;

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

| Cnum | Cname | City | Rating | Snum |

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

| 2001 | Hoffman | london | 100 | 1001 |

| 2002 | Giovanni | Rome | 200 | 1003 |

| 2003 | Liu | San Jose | 200 | 1002 |

| 2004 | Grass | Berlin | 300 | 1002 |

| 2006 | Clemens | Londin | 100 | 1001 |

| 2008 | Cisneros | San Jose | 300 | 1007 |

| 2007 | Pereira | Rome | 100 | 1004 |

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

7 rows in set (0.00 sec)

Q3) ORDERS

mysql> insert into ORDERS values

-> (3002, 1900.10, '1990-10-03', 2007, 10041);

Query OK, 1 row affected (0.01 sec)

mysql> insert into ORDERS values

-> (3005,5160.45,'1990-10-03',2003,1002);

Query OK, 1 row affected (0.01 sec)

mysql> insert into ORDERS values

-> (3006, 1098.16, '1990-10-03', 2008, 1007),

-> (3009, 1713.23, '1990-10-04', 2002, 1003);

Query OK, 2 rows affected (0.01 sec)

Records: 2 Duplicates: 0 Warnings: 0

mysql> insert into ORDERS values

-> (3007, 75.75, '1990-10-03', 2004, 1002),

-> (3008, 4723.00, '1990-10-05', 2006, 1001);

Query OK, 2 rows affected (0.01 sec)

Records: 2 Duplicates: 0 Warnings: 0

mysql> insert into ORDERS values

-> (3010, 1309.95, '1990-10-05', 2004, 1002),

-> (3011, 9891.88, '1990-10-06', 2006, 1001);

Query OK, 2 rows affected (0.01 sec)

Records: 2 Duplicates: 0 Warnings: 0

mysql> select \* from ORDERS

-> ^C

mysql> select \* from ORDERS;

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

| Onum | Amt | Odate | Cnum | Snum |

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

| 3001 | 18.69 | 1990-10-03 | 2008 | 1007 |

| 3003 | 767.19 | 1990-10-03 | 2001 | 1001 |

| 3002 | 1900.10 | 1990-10-03 | 2007 | 10041 |

| 3005 | 5160.45 | 1990-10-03 | 2003 | 1002 |

| 3006 | 1098.16 | 1990-10-03 | 2008 | 1007 |

| 3009 | 1713.23 | 1990-10-04 | 2002 | 1003 |

| 3007 | 75.75 | 1990-10-03 | 2004 | 1002 |

| 3008 | 4723.00 | 1990-10-05 | 2006 | 1001 |

| 3010 | 1309.95 | 1990-10-05 | 2004 | 1002 |

| 3011 | 9891.88 | 1990-10-06 | 2006 | 1001 |

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

10 rows in set (0.00 sec)

mysql>

SQL EXERCISE 1

1. Create the table SEMP with the following structure:-

EMPNO CHAR(4)

EMPNAME CHAR(20)

BASIC FLOAT

DEPTNO CHAR(2)

DEPTHEAD CHAR(4)

2. Create the table SDEPT with the following structure:-

DEPTNO CHAR(2)

DEPTNAME CHAR(15)

3. Insert into the SDEPT table the following values:-

10, Development

20, Training

4. Insert into the SEMP table the following values:-

0001, SUNIL, 6000, 10

0002, HIREN, 8000, 20

0003, ALI, 4000, 10, 0001

0004, GEORGE, 6000, 0002

mysql> insert into SEMP (EMPNO, EMPNAME, BASIC, DEPTNO)

-> values(0001, 'SUNIL', 6000, 10),

-> (0002, 'HIREN', '8000', 20);

Query OK, 2 rows affected (0.01 sec)

Records: 2 Duplicates: 0 Warnings:

mysql> create table SDEPT

-> (

-> DEPTNO char(2),

-> DEPTNAME char(15)

-> );

Query OK, 0 rows affected (0.03 sec)

mysql> insert into SEMP

-> values(0003, 'ALI', 4000,10, 0002);

Query OK, 1 row affected (0.01 sec)

mysql> insert into SEMP values

-> (0004, 'GEORGE', 6000, 0002);

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

mysql> insert into SEMP (EMPNO, EMPNAME, BASIC, DEPTHEAD)

-> values(0004,'GEORGE', 6000, 0002);

Query OK, 1 row affected (0.01 sec)

mysql> select \* from SEMP;

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

| EMPNO | EMPNAME | BASIC | DEPTNO | DEPTHEAD |

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

| 1 | SUNIL | 6000 | 10 | NULL |

| 2 | HIREN | 8000 | 20 | NULL |

| 3 | ALI | 4000 | 10 | 2 |

| 4 | GEORGE | 6000 | NULL | 2 |

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

4 rows in set (0.00 sec)

mysql>