ASSIGNMENT NO 3

Roll No 27

Table No 1. Courses

1) Create Table

```
MYSQL>  create table courses(ccode varchar2(5) constraint courses_ccode_pk primary
key,name
  2  varchar2(30) constraint courses_name_u unique,duration number(3) constraint
  3  courses_durationck check(duration>=1),fee number(5) constraint coursesfee_ck
  4  check(fee>=0),prerequisite varchar2(50));
```

Table created.

2) Describe table

```
MYSQL> desc courses;
```

Name	Null?	Type
CCODE	NOT NULL	VARCHAR2(5)
NAME		VARCHAR2(30)
DURATION		NUMBER(3)
FEE		NUMBER(5)
PREREQUISITE		VARCHAR2(50)

3) Insert values

```
MYSQL> insert into courses values('ora', 'Oracle database',25,6000,'Windows');
```

1 row created.

```
MYSQL> insert into courses values('vbnet', 'V.B.Net',30,5500,'Programming');
```

1 row created.

```
MYSQL> insert into courses values('asp', 'ASP.Net',25,5000,'Programming');
```

1 row created.

```
MYSQL> insert into courses values('c', 'C Programming',20,4000,'Basic Computer');
```

1 row created.

```
MYSQL> insert into courses values('xml', 'XMLProgramming',15,4500,'html,scirpting');
```

1 row created.

MYSQL> insert into courses values('java', 'JAVA Programming',25,6500, 'C-Language');

1 row created.

4) Display all records

MYSQL> select * from courses;

CCODE NAME DURATION FEE

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PREREQUISITE

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ora Oracle database 25 6000

Windows

vbnet V.B.Net 30 5500

Programming

asp ASP.Net 25 5000

Programming

c C Programming 20 4000

Basic Computer

java JAVA Programming 25 6500

C-Language

xml XMLProgramming 15 4500

html,scirpting

6 rows selected.

Table No 2. Faculty

1) Create Table

MYSQL> create table faculty(faccode varchar2(5) constraint faculty_faccode_pk primary key,name

2 varchar2(30),qual varchar2(30),exp varchar2(20));

Table created.

2) Describe table

MYSQL> desc faculty;

Name	Null?	Type
FACCODE	NOT NULL	VARCHAR2(5)
NAME		VARCHAR2(30)
QUAL		VARCHAR2(30)
EXP		VARCHAR2(20)

3) Insert values

MYSQL> insert into faculty values('HNC','H.N.Charate','MSC computer Science','10 Years');

1 row created.

MYSQL> insert into faculty values('SP', 'Smita Patil','MS','8 Years');

1 row created.

MYSQL> insert into faculty values('RP','Rohan Patil', 'MCA', '15 Years');

1 row created.

MYSQL> insert into faculty values('SC','Shanthinath Chogule','MS Electronic','5 Years');

1 row created.

4) Display all records

MYSQL> select * from faculty;

FACCO	NAME	QUAL	EXP
HNC	H.N.Charate	MSC computer Science	

10 Years

SP Smita Patil MS

8 Years

RP Rohan Patil MCA

15 Years

SC Shanthinath Chogule MS Electronic

5 Years

SEP Seema Patil MSC computer Science

3 Years

Table No 3. Course_Faculty

1) Create Table

MYSQL> create table coursesfaculty(faccode varchar2(5) constraint coursesfaculty_faccode_fk

2 references faculty(faccode),ccode varchar2(5) constraint coursesfaculty_ccode_fk references

3 courses(ccode),grade char(1));

Table created.

2) Describe table

MYSQL> desc coursesfaculty;

Name	Null?	Type
FACCODE		VARCHAR2(5)
CCODE		VARCHAR2(5)
GRADE		CHAR(1)

3) Insert values

MYSQL> Insert into coursesfaculty values('HNC','ora','A');

1 row created.

MYSQL> Insert into coursesfaculty values('HNC','asp','B');

1 row created.

MYSQL> Insert into coursesfaculty values('HNC','xml','B');

1 row created.

MYSQL> Insert into coursesfaculty values('RP','java','A');

1 row created.

MYSQL> Insert into coursesfaculty values('RP','c','B');

1 row created.

4) Display all records

MYSQL> select * from coursesfaculty;

FACCO CCODE G

----- ----- -

HNC ora A

HNC asp B

RP c B

RP java A

HNC xml B

Table No 4. Batches

1) Create Table

MYSQL> create table batches(

2 bcode varchar2(5) constraint batches_bcode_pk primary key,

3 ccode varchar2(5) constraint batches_ccode_fk references courses(ccode),

4 faccode varchar2(5) constraint batches_fcode_fk references faculty(faccode),

5 stdate date,enddate date,timing number(1)

6);

Table created.

2) Describe table

MYSQL> desc batches;

Name	Null?	Type
BCODE	NOT NULL	VARCHAR2(5)
CCODE		VARCHAR2(5)
FACCODE		VARCHAR2(5)

STDATE	DATE
ENDDATE	DATE
TIMING	NUMBER(1)

3) Insert values

MYSQL> insert into batches values('B1', 'ora', 'HNC', '20 Jul 2017', '20 Aug 2017', 1);

1 row created.

MYSQL> insert into batches values('B2', 'asp', 'HNC', '20 Jan 2017', '20 Mar 2017', 2);

1 row created.

MYSQL> insert into batches values('B3', 'asp', 'SP', '15 Jan 2017', '15 Mar 2017', 1);

1 row created.

MYSQL> insert into batches values('B4', 'java', 'RP', '20 Jul 2017', '20 Aug 2017', 3);

1 row created.

MYSQL> insert into batches values('B5', 'xml', 'SC', '15 Jul 2017', '20 Aug 2017', 2);

1 row created.

MYSQL> insert into batches values('B6', 'vbnet', 'RP', '15 Jan 2017', '15 Mar 2017', 3);

1 row created.

MYSQL> insert into batches values('B7', 'c', 'SP', '15 Jul 2015', '15 Sep 2017', 1);

1 row created.

MYSQL> insert into batches values('B8', 'xml', 'RP', '25 Jul 2011', '01 Sep 2014', 2);

1 row created.

4) Display all records

MYSQL> select * from batches;

BCODE CCODE FACCO STDATE ENDDATE TIMING

----- ----- ----- --------- --------- ----------

B1 ora HNC 20-JUL-17 20-AUG-17 1

B2 asp HNC 20-JAN-17 20-MAR-17 2

B4 java RP 20-JUL-17 20-AUG-17 3

B5 xml SC 15-JUL-17 20-AUG-17 2

B6 vbnet RP 15-JAN-17 15-MAR-17 3

B7 c SP 15-JUL-15 15-SEP-17 1

B8 xml RP 25-JUL-11 01-SEP-14 2

B3 asp SP 15-JAN-17 15-MAR-17 1

8 rows selected.

Table No 4. Student

1) Create Table

MYSQL> create table student3(rollno number(5) constraint student_rollno_pk primary key,bcode

2 varchar2(5) constraint student_bcode_fk references batches(bcode),name varchar2(30),gender

3 char(1) constraint student_gender_ck check(upper(gender) in ('M','F')),

4 Dj date,Phone number(11),email varchar2(30));

Table created.

2) Describe table

MYSQL> desc student3;

Name	Null?	Type
ROLLNO	NOT NULL	NUMBER(5)
BCODE		VARCHAR2(5)
NAME		VARCHAR2(30)
GENDER		CHAR(1)
DJ		DATE
PHONE		NUMBER(11)
EMAIL		VARCHAR2(30)

3) Insert values

MYSQL> insert into student3 values(01,'B1','Rushi Desai', 'M','15 Jan 2017',9657400598,'rushi@gmail.com');

1 row created.

MYSQL> insert into student3 values(02,'B2','Vaibhav Chavan','M','20 Jan 2017',9447400698, 'vc@gmail.com');

1 row created.

MYSQL> insert into student3 values(03,'B3','Indrayani Upadhue','F','18 Jan 2017',8892829,'Indrayani@gmail.com');

1 row created.

MYSQL> insert into student3 values(04,'B4','Mansi patil','F','20 Jul 2017',6557400598,'mansi@gmail.com');

1 row created.

MYSQL> insert into student3 values(05,'B5','Divya kadam','F','20 jul 2017',96599598,'Divya@gmail.com');

1 row created.

MYSQL> insert into student3 values(06,'B6','Trishala','F','15 Jan 2017',876400598,'TS@gmail.com');

1 row created.

MYSQL> insert into student3 values(07,'B7','Avi','M','1 Jan 2017',876400598,'Avi@gmail.com');

1 row created.

4) Display all records

MYSQL> select * from student3;

ROLLNO BCODE NAME G DJ PHONE

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EMAIL

---

2 B2 Vaibhav Chavan M 20-JAN-17 9447400698

vc@gmail.com

3 B3 Indrayani Upadhue F 18-JAN-17 8892829

Indrayani@gmail.com

4 B4 Mansi patil F 20-JUL-17 6557400598

mansi@gmail.com

5 B5 Divya kadam F 20-JUL-17 96599598 Divya@gmail.com

6 B6 Trishala F 15-JAN-17 876400598 TS@gmail.com

7 B7 Avi M 01-JAN-17 876400598 Avi@gmail.com

1 B1 Rushi Desai M 15-JAN-17 9657400598 rushi@gmail.com

7 rows selected.

Table No 5. Payment

1) Create Table

MYSQL> create table payment(rollno number(5) constraint payment_rollno_fk references student3(rollno),Dp date,Amount number(5));

Table created.

2) Describe Table

MYSQL> desc payment;

Name	Null?	Type
ROLLNO		NUMBER(5)
DP		DATE
AMOUNT		NUMBER(5)

3) Insert values

MYSQL> insert into payment values(01,'15 jan 2017',4500);

1 row created.

MYSQL> insert into payment values(02,'20 jan 2017',4000);

1 row created.

MYSQL> insert into payment values(01,'19 jan 2017',2000);

1 row created.

MYSQL> insert into payment values(02,'28 jan 2017',1500);

1 row created.

MYSQL> insert into payment values(03,'18 jan 2017',1000);

1 row created.

MYSQL> insert into payment values(04,'20 jul 2017',4000);

1 row created.

MYSQL> insert into payment values(05,'22 jul 2017',4500);

1 row created.

MYSQL> insert into payment values(03,'31 jan 2017',5000);

1 row created.

MYSQL> insert into payment values(06,'15 jan 2017',2500);

1 row created.

MYSQL> insert into payment values(06,'15 jul 2017',4000);

1 row created.

4) Display all records

ROLLNO	DP	AMOUNT
1	15-JAN-17	4500
2	20-JAN-17	4000
1	19-JAN-17	2000
2	28-JAN-17	1500
3	18-JAN-17	1000
4	20-JUL-17	4000
5	22-JUL-17	4500
3	31-JAN-17	5000
6	15-JAN-17	2500
6	15-JUL-17	4000

10 rows selected.