Roll No 27

**Table No 1. Courses**

**1) Create Table**

SQL> 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**

SQL> 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**

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

1 row created.

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

1 row created.

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

1 row created.

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

1 row created.

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

1 row created.

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

1 row created.

**4) Display all records**

SQL> select \* from courses;

CCODE NAME DURATION FEE

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

PREREQUISITE

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

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**

SQL> 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**

SQL> desc faculty;

Name Null? Type

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

FACCODE NOT NULL VARCHAR2(5)

NAME VARCHAR2(30)

QUAL VARCHAR2(30)

EXP VARCHAR2(20)

**3) Insert values**

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

1 row created.

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

1 row created.

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

1 row created.

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

1 row created.

**4) Display all records**

SQL> 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**

SQL> 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**

SQL> desc coursesfaculty;

Name Null? Type

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

FACCODE VARCHAR2(5)

CCODE VARCHAR2(5)

GRADE CHAR(1)

**3) Insert values**

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

1 row created.

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

1 row created.

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

1 row created.

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

1 row created.

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

1 row created.

**4) Display all records**

SQL> 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**

SQL> 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**

SQL> 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**

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

1 row created.

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

1 row created.

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

1 row created.

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

1 row created.

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

1 row created.

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

1 row created.

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

1 row created.

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

1 row created.

**4) Display all records**

SQL> 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**

SQL> 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**

SQL> 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**

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

1 row created.

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

1 row created.

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

1 row created.

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

1 row created.

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

1 row created.

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

1 row created.

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

1 row created.

**4) Display all records**

SQL> select \* from student3;

ROLLNO BCODE NAME G DJ PHONE

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

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**

SQL> create table payment(rollno number(5) constraint payment\_rollno\_fk references student3(rollno),Dp date,Amount number(5));

Table created.

**2) Describe Table**

SQL> desc payment;

Name Null? Type

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

ROLLNO NUMBER(5)

DP DATE

AMOUNT NUMBER(5)

**3) Insert values**

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

1 row created.

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

1 row created.

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

1 row created.

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

1 row created.

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

1 row created.

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

1 row created.

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

1 row created.

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

1 row created.

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

1 row created.

SQL> 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.