

Class: B.Sc. IT semester-I
Div-
Subject: DBMS
Practical Assignment Aim:3
Date of Practical Assignment:


```
CREATE TABLE IT_COURSE(  
COURSE_CODE VARCHAR2 (3) PRIMARY KEY,  
COURSE_NAME VARCHAR2 (20)  
);
```

```
CREATE TABLE IT_SUBJECT(  
SUBJECT_CODE VARCHAR2 (3) PRIMARY KEY,  
SUBJECT_NAME VARCHAR2 (20),  
SUBJECT_TYPE VARCHAR2 (20) CHECK (SUBJECT_TYPE  
IN ('theory', 'practical', 'both'))  
);
```

```
INSERT INTO IT_COURSE  
VALUES ('C1', 'BSC.IT');  
INSERT INTO IT_COURSE  
VALUES ('C2', 'BSC.IT');  
INSERT INTO IT_COURSE  
VALUES ('C3', 'BSC.IT');  
INSERT INTO IT_COURSE  
VALUES ('C4', 'BSC.IT');  
INSERT INTO IT_COURSE  
VALUES ('C5', 'BSC.IT');
```

```
INSERT INTO IT_SUBJECT  
VALUES ('S1', 'DBMS', 'practical', 'C01');  
INSERT INTO IT_SUBJECT  
VALUES ('S2', 'DBMS', 'both', 'C02');  
INSERT INTO IT_SUBJECT  
VALUES ('S3', 'DBMS', 'theory', 'C03');  
INSERT INTO IT_SUBJECT  
VALUES ('S4', 'SS', 'both', 'C04');  
INSERT INTO IT_SUBJECT  
VALUES ('S6', 'COMPUTER', 'practical', 'C05');  
INSERT INTO IT_SUBJECT  
VALUES ('S7', 'MUSIC', 'practical', 'C06');  
INSERT INTO IT_SUBJECT  
VALUES ('S5', 'JAVA', 'both', 'C07');  
INSERT INTO IT_SUBJECT  
VALUES ('S8', 'MATH', 'theory', 'C08');  
INSERT INTO IT_SUBJECT  
VALUES ('S9', 'ENGLISH', 'theory', 'C09');  
INSERT INTO IT_SUBJECT  
VALUES ('S10', 'PYTHON', 'practical', 'C10');
```

1. Insert At Least 5 Records In It_Course Table And 10 Records On It_Subject Table.

```
SELECT * FROM IT_COURSE
COURSE_CODE COURSE_NAME
C1 BSC.IT
C2 BSC.IT
C3 BSC.IT
C4 BSC.IT
C5 BSC.IT
```

2. Display All Records Of It_Course Table.

```
SELECT * FROM IT_SUBJECT
SUBJECT_CODE SUBJECT_NAME SUBJECT_TYPE COURSE_CODE
S1 DBMS practical C01
S2 DBMS both C02
S3 DBMS theory C03
S4 SS both C04
S6 COMPUTER practical C05
S7 MUSIC practical C06
S5 JAVA both C07
S8 MATH theory C08
S9 ENGLISH theory C09
S10 PYTHON practical C10
```

3. Display All Records Of It_Subject Table.

```
SELECT COURSE_CODE,SUBJECT_CODE FROM IT_SUBJECT
COURSE_CODE SUBJECT_CODE
C01 S1
C02 S2
C03 S3
C04 S4
C05 S6
C06 S7
C07 S5
C08 S8
C09 S9
C10 S10
```

4. Display Course Code And Subject Code From It_Subject Table.

```
SELECT COURSE_NAME FROM IT_COURSE
COURSE_NAME
BSC.IT
BSC.IT
BSC.IT
BSC.IT
BSC.IT
```

5. Display Only Course Name From It_Course Table.

```
SELECT SUBJECT_CODE,SUBJECT_NAME FROM IT_SUBJECT WHERE SUBJECT_TYPE
IN('theory','both')
SUBJECT_CODE SUBJECT_NAME
S2 DBMS
S3 DBMS
S4 SS
```

S5 JAVA
S8 MATH
S9 ENGLISH

6. Display Subject Code, Subject Name For Subject Type Is 'Theory' or 'Both'. [Use IN operator]

```
SELECT SUBJECT_CODE,SUBJECT_NAME FROM IT_SUBJECT WHERE SUBJECT_NAME LIKE 'C%'
```

SUBJECT_CODE SUBJECT_NAME

S6 COMPUTER

7. Display Subject Code And Subject Name Whose Subject Name Is Started With 'C' Character.

```
SELECT * FROM IT_SUBJECT WHERE SUBJECT_CODE='S1'
```

SUBJECT_CODE SUBJECT_NAME

S6 COMPUTER

8. Display All The Records Of Subject Code Is 'S01'

```
SELECT * FROM IT_SUBJECT WHERE COURSE_CODE='C01' OR COURSE_CODE='C03'
```

SUBJECT_CODE SUBJECT_NAME SUBJECT_TYPE COURSE_CODE

S1 DBMS practical C01

9. Display All The Records Of Subject Details Whose Course Code Is Either 'C01' Or 'C03'

```
SELECT SUBJECT_CODE,SUBJECT_NAME FROM IT_SUBJECT where COURSE_CODE='C07' AND SUBJECT_NAME LIKE '_A%';
```

SUBJECT_CODE SUBJECT_NAME SUBJECT_TYPE COURSE_CODE

S1 DBMS practical C01

S3 DBMS theory C03

10. Display Subject Code,Subject Name Of Those Whose Course Code Is 'C01' And Subject Name Is 2nd Character Is 'A'

```
SELECT SUBJECT_CODE,SUBJECT_NAME FROM IT_SUBJECT where COURSE_CODE='C07' AND SUBJECT_NAME LIKE '_A%';
```

SUBJECT_CODE SUBJECT_NAME

S5 JAVA