Class : BSC IT semester-2
DIV :B
Subject : DBMS Advance Database system
Aim: Revise the SQL statements - 1


```
CREATE TABLE stud_det
(
Student_id varchar(3),
Stud_name varchar2(20),
Address varchar(15),
PRIMARY KEY(Student_id)
);

INSERT INTO stud_det
VALUES('S1','Ahmed','8892 Madinah St');

INSERT INTO stud_det
VALUES('S2','Sultan','1262 Jeddah St.');

INSERT INTO stud_det
VALUES('S3','Rached','1495 King St.');

Select * From stud_det;
```

```
STUDENT_ID STUD_NAME   ADDRESS
S1                 Ahmed               8892 Madinah St
S2                 Sultan              1262 Jeddah St.
S3                 Rached          1495 King St.
3 rows returned in 0.00 seconds          Download
```

```
CREATE TABLE Course_det
(
course_id varchar(3),
description varchar(20),
no_credit varchar(4),
PRIMARY KEY(course_id)
);

INSERT INTO Course_det
VALUES('C1','Informatics',3);


INSERT INTO Course_det
VALUES('C2','Math',3);


INSERT INTO Course_det
VALUES('C3','Marketing',3);

Select * From Course_det;
```

```
COURSE_ID   DESCRIPTIONNO_CREDIT
C1                 Informatics          3
C3                 Marketing        3
C2                 Math                            3
```

```
CREATE TABLE Grade_det
(
Student_id varchar(3) references stud_det(Student_id),
Course_id varchar(3) references Course_det(Course_id),
Semester varchar(7),
Gradeearn varchar(4)
);

INSERT INTO Grade_det
VALUES('S1','C1','Sp2016','A');

INSERT INTO Grade_det
VALUES('S1','C3','Sp2016','B+');

INSERT INTO Grade_det
VALUES('S1','C2','Fa2016','A-');

INSERT INTO Grade_det
VALUES('S2','C1','Sp2016','B');

INSERT INTO Grade_det
VALUES('S2','C2','FA2016','A');

INSERT INTO Grade_det
VALUES('S2','C3','Fa2016','A');

INSERT INTO Grade_det
VALUES('S3','C1','Fa2016','A');

INSERT INTO Grade_det
VALUES('S3','C2','Fa2016','B+');
```

```
Select * from Grade_det;
STUDENT_ID COURSE_ID   SEMESTER   GRADEEARN
S1                      C2         Fa2016        A-
S2           C1         Sp2016        B
S2           C2         FA2016        A
S1           C1         Sp2016        A
S1           C3         Sp2016        B+
S2           C3         Fa2016        A
S3           C1         Fa2016        A
S3           C2         Fa2016        B+
8 rows returned in 0.00 seconds           Download
```


 Queries:

Display all the records of student table

```
Select * From stud_det;
```

```
STUDENT_ID STUD_NAME  ADDRESS
S1                Ahmed              8892 Madinah St
S2                Sultan             1262 Jeddah St.
S3                Rached             1495 King St.
3 rows returned in 0.00 seconds           Download
```

Display only those course name whose name started with 'M' character.

```
Select description
from Course_det
Where description LIKE 'M%';
```

```
O/P
DESCRIPTION
Marketing
Math
2 rows returned in 0.01 seconds          Download
```

Display all the course name in which grade is A.

```
Select DISTINCT(description)
From Grade_det,Course_det
Where Gradeearn = 'A';
```

```
O/P
DESCRIPTION
Informatics
Math
Marketing
3 rows returned in 0.05 seconds          Download
```

4. Display all the students name and course name whose grade is B

```
Select S.Stud_name,C.description
From stud_det S,Course_det C,Grade_det tk
Where Gradeearn = 'B'
AND S.Student_id = tk.Student_id
AND C.Course_id = tk.Course_id;
O/P
STUD_NAME   DESCRIPTION
Sultan      Informatics
1 rows returned in 0.00 seconds          Download
```

5. Display all the records semester wise.

```
Select *
From Grade_det
ORDER BY Semester;
```

```
O/P
STUDENT_ID COURSE_ID  SEMESTER    GRADEEARN
S2                               C2 FA2016    A
S3                               C1 Fa2016    A
S2                               C3 Fa2016    A
S3                               C2 Fa2016    B+
S1                               C2 Fa2016    A-
S1                               C3 Sp2016    B+
S2                               C1 Sp2016    B
S1                               C1 Sp2016    A
8 rows returned in 0.00 seconds          Download
```