Name: Murali Narayanan V
Reg no: 73772127134
Dept : Computer Science and Business Systems

SQL CLASS:

```
-- insert into tbl_author values(1,"Michale",5,"america",4);
-- insert into tbl_author values(2,"hangook",6,"korea",5);
-- insert into tbl_author values(3,"tagore",6,"india",6);
-- insert into tbl_author values(4,"hangook",6,"korea",5);
-- insert into tbl_author values(5,"michale",3,"america",6);
-- insert into tbl_author values(6,"jim",3,"america",3);
-- select * from tbl_author;
-- select aname,address,likeness from tbl_author;
-- select distinct aname,address,likeness from tbl_author;
-- select  * from tbl_author where address="india";
-- select *  from tbl_author order by aname ;
-- select * from tbl_author where address!="america";

 update tbl_author set likeness=10 where aname="tagore";
-- commit;
-- delete from tbl_author where address="america";
-- SET SQL_SAFE_UPDATES = 0;

select * from tbl_author;
-- sql relational operators
-- in,not in , between and , is null, is not null , like, not like ,

-- select * from tbl_author where likeness in (1,2,3,4,5,6);
-- select * from tbl_author where likeness not in (1,2,3,4,5,6);
-- select * from tbl_author where likeness between 1 and 6;
```

Day-3 NOTES:

SQL> select * from employee;

```
    ID NAME              DNO
---------- ------------------ ----------
    101 michale              10
    102 sam                  10
    103 jim               10
    104 smith                10
    105 rahul                10
    106 tony                 20
```

6 rows selected.

SQL> select * tbl_department;
select * tbl_department
        *
ERROR at line 1:
ORA-00923: FROM keyword not found where expected
Help: https://docs.oracle.com/error-help/db/ora-00923/

SQL> select * from tbl_department;

```
    DNO DNAME
---------- --------------------
     30 IT
     10 CSBS
     20 SECURITY
```

SQL> create view employeedeptview as (select e.id,e.name,d.dno,d.dname from employee e outer join tbl_department d on e.dno=d.dno);
create view employeedeptview as (select e.id,e.name,d.dno,d.dname from employee e outer join tbl_department d on e.dno=d.dno)
                                                                                      *
ERROR at line 1:
ORA-02000: missing APPLY keyword
Help: https://docs.oracle.com/error-help/db/ora-02000/

SQL> create view employeedeptview as (select e.id,e.name,d.dno,d.dname from employee e join tbl_department d on e.dno=d.dno);

View created.

SQL> select * from employeedeptview;

```
        ID NAME                DNO DNAME
---------- -------------------- ---------- --------------------
       101 michale              10 CSBS
       102 sam                  10 CSBS
       103 jim                  10 CSBS
       104 smith                10 CSBS
       105 rahul                10 CSBS
       106 tony                 20 SECURITY
```

6 rows selected.

SQL> create table tbl_department(dno number primary key , dname varchar(20));

Table created.

SQL> insert into tbl_department(dno,dname) values (30,'IT');

1 row created.

SQL> create table employee (
  2 id number primary key,
  3 name varchar(20),
  4 dno number ,foreign key(dno) references tbl_department(dno));

Table created.

SQL> desc tbl_department;
```
 Name                                     Null?    Type
 ---------------------------------------- -------- ---------------------------
 DNO                                      NOT NULL NUMBER
 DNAME                                             VARCHAR2(20)
```

SQL> insert into tbl_department(dno,dname) values (10,'CSBS'),(20,'SECURITY');

2 rows created.

SQL> desc employee;
```
 Name                                     Null?    Type
```

```
 ---------------------------------------- -------- --------------------------
 ID                              NOT NULL NUMBER
 NAME                                     VARCHAR2(20)
 DNO                                      NUMBER
```

SQL> select * from employee;

```
        ID NAME                 DNO
---------- ------------------- ----------
       101 michale              10
       102 sam                  10
       103 jim                 10
       104 smith                10
       105 john                 10
       106 tony                 20
```

6 rows selected.

SQL> select * from employee e join tbl_department d on e.dno=d.dno;

```
        ID NAME                 DNO        DNO DNAME
---------- ------------------- ---------- ---------- -------------------
       101 michale              10          10 CSBS
       102 sam                  10          10 CSBS
       103 jim                 10        10 CSBS
       104 smith                10          10 CSBS
       105 john                 10         10 CSBS
       106 tony                 20          20 SECURITY
```

6 rows selected.

SQL> select e.id,e.name,d.dno,d.dname from employee e right join tbl_department d on e.dno=d.dno ;

```
        ID NAME                 DNO DNAME
---------- ------------------- ---------- -------------------
       101 michale              10 CSBS
       102 sam                  10 CSBS
       103 jim                 10 CSBS
```

```
      104 smith                  10 CSBS
      105 john                   10 CSBS
      106 tony                   20 SECURITY
                          30 IT

7 rows selected.

SQL> create view empdptview as (select e.id,e.name,d.dno,d.dname from employee e join tbl_department
 d on e.dno=d.dno);

View created.

SQL> desc empdptview;
 Name                           Null?    Type
 ---------------------------------------- -------- --------------------------
 ID                            NOT NULL NUMBER
 NAME                                   VARCHAR2(20)
 DNO                           NOT NULL NUMBER
 DNAME                                  VARCHAR2(20)

SQL> select * from empdptview;

        ID NAME               DNO DNAME
---------- ------------------- ---------- -------------------
       101 michale            10 CSBS
       102 sam                10 CSBS
       103 jim                10 CSBS
       104 smith              10 CSBS
       105 john               10 CSBS
       106 tony               20 SECURITY

6 rows selected.

SQL> update empdptview set name='rahul' where id=105;

1 row updated.

SQL> select * from empdptview;

        ID NAME               DNO DNAME
---------- ------------------- ---------- -------------------
       101 michale            10 CSBS
       102 sam                10 CSBS
```

```
    103 jim                 10 CSBS
    104 smith                10 CSBS
    105 rahul                10 CSBS
    106 tony                 20 SECURITY
```

6 rows selected.

SQL> select * from employee;

```
        ID NAME                 DNO
---------- -------------------- ----------
       101 michale               10
       102 sam                   10
       103 jim                  10
       104 smith                 10
       105 rahul                 10
       106 tony                  20
```

6 rows selected.