SQL> connect sys as sysdba;

Connected.

SQL> create role manager;

create role manager

\*

ERROR at line 1:

ORA-01921: role name 'MANAGER' conflicts with another user or role name

SQL> create role n\_manager;

Role created.

SQL> create role n\_supervisor;

Role created.

SQL> create role n\_marketing\_offiecer;

Role created.

SQL> grant dba to n\_manager;

Grant succeeded.

SQL> grant create\_session, create table, create view, create sequence, create synonym to n\_supervisor;

grant create\_session, create table, create view, create sequence, create synonym to n\_supervisor

\*

ERROR at line 1:

ORA-01919: role 'CREATE\_SESSION' does not exist

SQL> grant create session, create table, create view, create sequence, create synonym to n\_supervisor;

Grant succeeded.

SQL> create user u\_manager identified by u\_manager;

User created.

SQL> grant n\_manager to u\_manager;

Grant succeeded.

SQL> create user u\_supervisor1 identified by u\_supervisor;

User created.

SQL> create user u\_supervisor2 identified by u\_supervisor;

User created.

SQL> create user u\_supervisor3 identified by u\_supervisor;

User created.

SQL> create user u\_supervisor4 identified by u\_supervisor;

User created.

SQL> create user u\_supervisor5 identified by u\_supervisor;

User created.

SQL> grant n\_supervisor to u\_supervisor1,u\_supervisor2, u\_supervisor3, u\_supervisor4, u\_supervisor5;

Grant succeeded.

SQL> commit;

Commit complete.

SQL> connect u\_supervisor1

Connected.

SQL> create table department(id number(5) primary key, dep\_name varchar2(50) unique);

create table department(id number(5) primary key, dep\_name varchar2(50) unique)

\*

ERROR at line 1:

ORA-01950: no privileges on tablespace 'SYSTEM'

SQL> connect sys as sysdba;

Connected.

SQL> grant unlimited tablespace to n\_supervisor;

Grant succeeded.

SQL> connect u\_supervisor1

Connected.

SQL> create table department(id number(5) primary key, dep\_name varchar2(50) unique);

create table department(id number(5) primary key, dep\_name varchar2(50) unique)

\*

ERROR at line 1:

ORA-01950: no privileges on tablespace 'SYSTEM'

SQL> connect sys as sysdba;

Connected.

SQL> grant unlimited tablespace to u\_supervisor1;

Grant succeeded.

SQL> connect u\_supervisor1

ERROR:

ORA-01017: invalid username/password; logon denied

Warning: You are no longer connected to ORACLE.

SQL> connect u\_supervisor1

Connected.

SQL> create table department(id number(5) primary key, dep\_name varchar2(50) unique);

Table created.

SQL> create table contact(id number(5) primary key, mobile number(11) unique, country varchar2(50) default 'Bangladesh');

Table created.

SQL> create table employee(id number(5) primary key, emp\_name varchar2(50) not null, salary number(9,2) check (salary >= 25000), joining\_date date check (joining\_date < '01-JAN-2000'), department\_id number(5) not null, contact\_id number(5) unique, foreign key (department\_id) references department(id), foreign key (contact\_id) references contact(id));

Table created.

SQL> create sequence dep\_seq increment by 10 start with 10 nocycle nocache;

Sequence created.

SQL> create sequence con\_seq increment by 5 start with 5 nocycle nocache;

Sequence created.

SQL> create sequence emp\_seq increment by 1 start with 1 nocycle nocache;

Sequence created.

SQL> insert into department(id, name) values(dep\_seq.nextval, 'Admin');

insert into department(id, name) values(dep\_seq.nextval, 'Admin')

\*

ERROR at line 1:

ORA-00904: "NAME": invalid identifier

SQL> insert into department(id, dep\_name) values(dep\_seq.nextval, 'Admin');

1 row created.

SQL> insert into department(id, dep\_name) values(dep\_seq.nextval, 'Sales');

1 row created.

SQL> insert into conatct(id, mobile) values(con\_seq.nextval, 01686239111);

insert into conatct(id, mobile) values(con\_seq.nextval, 01686239111)

\*

ERROR at line 1:

ORA-00942: table or view does not exist

SQL> insert into contact(id, mobile) values(con\_seq.nextval, 01686239111);

1 row created.

SQL> insert into contact(id, mobile) values(con\_seq.nextval, 01686239112);

1 row created.

SQL> insert into contact(id, mobile) values(con\_seq.nextval, 01686239113);

1 row created.

SQL> insert into contact(id, mobile) values(con\_seq.nextval, 01686239114);

1 row created.

SQL> insert into contact(id, mobile) values(con\_seq.nextval, 01686239115);

1 row created.

SQL> insert into contact(id, mobile) values(con\_seq.nextval, 01686239116);

1 row created.

SQL> insert into contact(id, mobile) values(con\_seq.nextval, 01686239117);

1 row created.

SQL> insert into contact(id, mobile) values(con\_seq.nextval, 01686239118);

1 row created.

SQL> insert into contact(id, mobile) values(con\_seq.nextval, 01686239119);

1 row created.

SQL> insert into contact(id, mobile) values(con\_seq.nextval, 01686239120);

1 row created.

SQL> insert into contact(id, mobile) values(con\_seq.nextval, 01686239121);

1 row created.

SQL> insert into contact(id, mobile) values(con\_seq.nextval, 01686239122);

1 row created.

SQL> insert into contact(id, mobile) values(con\_seq.nextval, 01686239123);

1 row created.

SQL> insert into contact(id, mobile) values(con\_seq.nextval, 01686239124);

1 row created.

SQL> insert into contact(id, mobile) values(con\_seq.nextval, 01686239125);

1 row created.

SQL> insert into employee(id,emp\_name, salary, joining\_date, department\_id, contact\_id) values(emp\_seq.nextval,'Mr. A', 30000,'01-FEB-1998', 10, 5);

1 row created.

SQL> insert into employee(id,emp\_name, salary, joining\_date, department\_id, contact\_id) values(emp\_seq.nextval,'Mr. A', 30000,'01-FEB-1998', 10, 5);

insert into employee(id,emp\_name, salary, joining\_date, department\_id, contact\_id) values(emp\_seq.nextval,'Mr. A', 30000,'01-FEB-1998', 10, 5)

\*

ERROR at line 1:

ORA-00001: unique constraint (U\_SUPERVISOR1.SYS\_C007556) violated

SQL> insert into employee(id,emp\_name, salary, joining\_date, department\_id, contact\_id) values(emp\_seq.nextval,'Mr. A', 30000,'01-FEB-1998', 10, 10);

1 row created.

SQL> insert into employee(id,emp\_name, salary, joining\_date, department\_id, contact\_id) values(emp\_seq.nextval,'Mr. A', 30000,'01-FEB-1998', 10, 15);

1 row created.

SQL> insert into employee(id,emp\_name, salary, joining\_date, department\_id, contact\_id) values(emp\_seq.nextval,'Mr. A', 30000,'01-FEB-1998', 10, 20);

1 row created.

SQL> insert into employee(id,emp\_name, salary, joining\_date, department\_id, contact\_id) values(emp\_seq.nextval,'Mr. A', 30000,'01-FEB-1998', 10, 25);

1 row created.

SQL> insert into employee(id,emp\_name, salary, joining\_date, department\_id, contact\_id) values(emp\_seq.nextval,'Mr. A', 30000,'01-FEB-1998', 10, 30);

1 row created.

SQL> create view emp\_view as select e.emp\_name "Emp Name", e.salary "Annual Salalry",d.department\_name,c.mobile, c.country from employee e, department d, contact c where e.department\_id=d.id and e.contact\_id=c.id;

create view emp\_view as select e.emp\_name "Emp Name", e.salary "Annual Salalry",d.department\_name,c.mobile, c.country from employee e, department d, contact c where e.department\_id=d.id and e.contact\_id=c.id

\*

ERROR at line 1:

ORA-00904: "D"."DEPARTMENT\_NAME": invalid identifier

SQL> create view emp\_view as select e.emp\_name "Emp Name", e.salary "Annual Salalry",d.dep\_name,c.mobile, c.country from employee e, department d, contact c where e.department\_id=d.id and e.contact\_id=c.id;

View created.

SQL> select \* from emp\_view;

Emp Name Annual Salalry

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

DEP\_NAME MOBILE

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

COUNTRY

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

Mr. A 30000

Admin 1686239111

Bangladesh

Mr. A 30000

Admin 1686239112

Bangladesh

Emp Name Annual Salalry

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

DEP\_NAME MOBILE

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

COUNTRY

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

Mr. A 30000

Admin 1686239113

Bangladesh

Mr. A 30000

Admin 1686239114

Emp Name Annual Salalry

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

DEP\_NAME MOBILE

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

COUNTRY

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

Bangladesh

Mr. A 30000

Admin 1686239115

Bangladesh

Mr. A 30000

Emp Name Annual Salalry

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

DEP\_NAME MOBILE

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

COUNTRY

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

Admin 1686239116

Bangladesh

6 rows selected.

SQL> create synonym emp\_view\_syn for emp\_view;

Synonym created.

SQL> commit;

Commit complete.

SQL> spool off;