

```
create table Users(Aadhar int, Name varchar(15), Age int, Password varchar(10), DoorNo int, Street varchar(50), State varchar(15), Pincode int, username vc(20));
```

```
alter table Users add constraint user_pk primary key(Aadhar);
```

```
create table Phone(AadharNo int, PhoneNo Int);
```

```
alter table Phone add constraint Phone_pk primary key(AadharNo, PhoneNo);
```

```
create table Owner(OwnerId int);
```

```
alter table Owner add constraint Owner_pk primary key(OwnerId);
```

```
create table Tenant(TenantId int);
```

```
alter table Tenant add constraint Tenant_pk primary key(TenantId);
```

```
create table Manager(ManagerId int);
```

```
alter table Manager add constraint Manager_pk primary key(ManagerId);
```

```
alter table Phone add constraint Phone_fk foreign key(AadharNo) references Users(Aadhar);
```

```
alter table Owner add constraint Owner_fk foreign key(OwnerId) references Users(Aadhar);
```

```
alter table Tenant add constraint Tenant_fk foreign key(TenantId) references Users(Aadhar);
```

```
alter table Manager add constraint Manager_fk foreign key(ManagerId) references Users(Aadhar);
```

```
create table Property (propertyId int, owner int, afd date, atd date, area float, plintarea float, rent float, hike float, floorNo int, locality varchar(20), address varchar(20), yearofconstr int);
```

```
alter table property add constraint property_pk primary key(propertyid);
```

```
alter table Property add constraint property_fk foreign key(owner) references Owner(ownerid);
```

```
create table other_facilities (fpropertyId int, facilities varchar(40));
```

```
alter table other_facilities add constraint other_facilities_fk foreign key(fpropertyId) references  
Property(propertyId);
```

```
alter table other_facilities add constraint other_facilities_pk primary key(fpropertyid, facilities );
```

```
create table residential_property (RpropertyId int, type varchar(20), numberbeds int);  
alter table residential_property add constraint residential_property_pk primary key(rpropertyid);  
alter table residential_property add constraint residential_property_fk foreign key(RpropertyId)  
references Property(propertyId);
```

```
create table Ownership_table (oownerid int, opropertyid int , registered char(1));  
alter table ownership_table add constraint ownership_table_pk primary key(oownerid,  
opropertyid);
```

```
alter table Ownership_table add constraint Ownership_table_fk1 foreign key(opropertyid)  
references Property(propertyId);
```

```
alter table Ownership_table add constraint Ownership_table_fk2 foreign key(oownerid)  
references Owner(OwnerId);
```

```
create table commercial_property (cpropertyid int, type varchar(20));
```

```
alter table commercial_property add constraint commercial_property_pk primary  
key(cpropertyid);
```

```
alter table commercial_property add constraint commercial_property_fk foreign key(cpropertyId)  
references Property(propertyId);
```

```
create table rental (rtenantid int, rentpropertyid int , start_date date, end_date date, rhike float,  
Rrent float, commission float);
```

```
alter table rental add constraint rental_fk1 foreign key(rentpropertyId) references  
Property(propertyId);
```

```
alter table rental add constraint rental_fk2 foreign key(rtenantid) references Tenant(TenantId);
```

```
alter table rental add constraint rental_pk primary key(rtenantid, rentpropertyid, start_date);
```

3.

create or replace procedure InsertPropertyRecord(propertyId in int, owner in int, afd in date, atd in date, area in float, plintarea in float, rent in float, hike in float, floorNo in int, locality in varchar, address in varchar, yearofconstr in int) as

begin;

insert into Property values(propertyId,owner,afd,atd,area, plintarea, rent,hike,floorNo, locality, address, yearofconstr);

dbms\_output.put\_line('Inserted');

end;

/

6.

Create or replace procedure CreateNewUser(p\_aadhar IN number, p\_name IN varchar2, p\_age IN number, p\_password IN varchar2, p\_door\_no IN number, p\_street IN varchar2, p\_state IN varchar2, p\_pincode IN number, p\_username IN varchar2) AS

begin

insert into Users values (p\_aadhar, p\_name, p\_age, p\_password, p\_door\_no, p\_street, p\_state, p\_pincode, p\_username);

dbms\_output.put\_line('User Created Successfully.');

commit;

end

/

4.

create or replace procedure GetPropertyRecords(id in int) as

propertyId number;

owner int;

afd date;

atd date;

area float;

plintarea float;

rent float;

hike float;

floorNo number;

locality varchar2(20);

address varchar2(50);

yearofconstr number;

begin

select \* into propertyId,owner, afd,atd,area, plintarea, rent, hike, floorNo, locality, address, yearofconstr from Property where owner=id;

dbms\_output.put\_line(' PropertyId: '||propertyId||' afd is: '||afd||' atd is: '||atd||' area is: '||area||' plintarea is: '||plintarea||' rent is: '||rent||' hike is: '||hike||' floorNo is: '||floorNo||' locality is:

end;

/

5.

```
create or replace procedure GetTenantDetails(id in int) as
tenid int;
aadhar number;
name varchar2(15);
age number;
password varchar2(10);
doorno number;
street varchar2(50);
state varchar2(15);
pincode number;
username varchar2(20);
begin
select rtenantid into tenid from rental where rentpropertyid=id and end_date=NULL;
select * into aadhar, name, age, password, doorno, street, state, pincode, username from users
where aadhar=tenid;
dbms_output.put_line(' Aadhar: '||aadhar||' Name: '||name||' Age: '||age||' Password:
'||password||' DoorNo: '||doorno||' Street '||street||' State: '||state||' Pincode: '||pincode||'
Username: '||username);
end;
/
```

7.

```
create or replace procedure SearchPropertyForRent(loc in varchar2) as
p property%ROWTYPE;
CURSOR c IS
select * from Property where loc=locality;
begin
open c;
LOOP
FETCH c into p;
exit WHEN c%NOTFOUND;
dbms_output.put_line(' PropertyID: '||p.propertyid||' OwnerID: '||p.owner||' Available From:
'||p.afd||' Available Till: '||p.atd||' Area: '||p.area||' Plint Area: '||p.plintarea||' Rent: '||p.rent||' Hike:
'||p.hike||' FloorNo.: '||p.floorno||' Locality: '||p.locality||' Address: '||p.address||' Year of
Construction: '||p.yearofconstr);
END LOOP;
CLOSE c;
end;
/
```

8.

```
create or replace procedure GetRentHistory(pid in number) as
r rental%ROWTYPE;
CURSOR c IS
select * from rental where pid=rentpropertyid and end_date is not null;
begin
open c;
LOOP
FETCH c into r;
exit WHEN c%NOTFOUND;
dbms_output.put_line(' TenantID: '||r.rtenantid||' PropertyID: '||r.rentpropertyid||' Start Date:
'||r.start_date||' End Date: '||r.end_date||' %Hike: '||r.rhike||' Rent per Month: '||r.rrent||'
Commission: '||r.commission)
;
END LOOP;
CLOSE c;
end;
/
```