Q1. PG accommodation

Assumption : one flat is owned by one owner, one flat can be used by many customers

Flats(flatno,bldgname,rooms,ownerid)

Customer(cno,cname,address,flatno)

Owner(ownerid,oname,mobile)

Ans. create table owner(

ownerid int primary key,

oname varchar(100),

mobile varchar(10)

);

create table flats(

flatno int primary key,

bldgname varchar(100),

rooms int,

ownerid int,

constraint fk\_o foreign key flats(ownerid) references owner(ownerid)

);

create table customer(

cno int primary key,

cname varchar(100),

address varchar(100),

flatno int,

constraint fk\_cu foreign key customer(flatno) references flats(flatno)

);

1. List all customers along with flatno and building name

2. List all flats which are vacant

3. List the flat details along with owner names

4. Display flat details, owner details and customer details for all customers who has taken pg

accommodation

5. List all customers who has not yet booked pg accommodation

Q2. Faculty course example

Assumption : one faculty can conduct many courses,

one course can be assigned to many faculties

Faculty (fid, fname,address)

Course(cid, cname,duration days)

Course-faculty(cid,fid,date of assignment)

1. Find all faculties who have course java assigned in may

2. List all faculties for whom no course is assigned

3. List all courses for which no faculty is assigned

4. List all courses , faculty details who stays in either pune or Mumbai

5. List all course details , faculty details for courses with duration > 30 days

6. List all faculties for whom no course is assigned also display faculty

with courses assigned