

Table Creation in mysql

```
create table agent(
```

```
    a_id integer primary key,
```

```
    a_name varchar(50) not null,
```

```
    email varchar(50),
```

```
    mobile varchar(10),
```

```
    address varchar(50),
```

```
    flag integer
```

```
);
```

```
create table account(
```

```
    user_id integer,
```

```
    password varchar(50) not null,
```

```
    flag integer,
```

```
    foreign key(user_id) references agent(a_id)
```

```
);
```

```
create table owner(
```

```
    owner_id integer primary key,
```

```
    o_name varchar(50) not null,
```

```
    o_email varchar(50),
```

```
    o_mobile varchar(10)
```

```
);
```

```
create table property(
```

```
    p_id integer primary key,
```

```
    p_type varchar(50) not null,
```

```
p_reg_date date not null,  
cost integer not null,  
agent_id integer,  
owner_id integer,  
avail varchar(50),  
address varchar(50) not null,  
foreign key(owner_id) references owner(owner_id),  
foreign key(agent_id) references agent(a_id)  
);
```

```
create table pin_detail(  
    pincode integer primary key,  
    city varchar(50) not null,  
    locality varchar(50)  
);
```

```
create table detail(  
    p_id integer,  
    BHK integer,  
    area integer not null,  
    pincode integer not null,  
    foreign key(p_id) references property(p_id),  
    foreign key(pincode) references pin_detail(pincode)  
);
```

```
create table sell(  

```

```
p_id integer,  
s_name varchar(50) not null,  
date date not null,  
foreign key(p_id) references property(p_id)  
);
```

```
create table rent(  
p_id integer,  
r_name varchar(50) not null,  
date date not null,  
foreign key(p_id) references property(p_id)  
);
```

Adding Values in the Database Mysql

```
Insert into agent values(503,"Pratyush Singh","pratyush_agent21@mobi.in",9452001786,"34/234  
anwarganj Kanpur",0);
```

```
Insert into agent values(542,"Sourav Kumar","sourav_agent16@mobi.in",7982383279,"23/876 Galla  
Mandi, Kanpur",0);
```

```
Insert into agent values(583,"Sudesh Joshi","sudesh_agent18@mobi.in",6289123983,"2/343  
Pahadganj Kanpur",0);
```

```
Insert into agent values(544,"Kanchan Daga","kanchan_18@gmail.com",3628432523,"7/434 jajmau  
Kanpur",1);
```

```
Insert into agent values(574,"Harsh Singham","harsh_singam@gmail.com",7414387929,"76/543  
mall road Kanpur",1);
```

```
Insert into agent values(584,"Ayush Mehrotra","ayush_22@gmail.com",8765328930,"86/224  
nawabganj Kanpur",1);
```

```
Insert into agent values(594,"Karan Dogra","karan_d21@gmail.com",9927229233,"54/654  
azadnagar Kanpur",1);
```

Insert into agent values(504,"Sagar Jain","sagar_jain11@gmail.com",7763721929,"8/277 machariya Kanpur",1);

Insert into agent values(564,"Rajaji","rajaji11@gmail.com",9213822822,"21/321 gol chauraha Kanpur",1);

Insert into account values(503,"praty.123",0);

Insert into account values(542,"Sourav.123",0);

Insert into account values(583,"Sudesh.123",0);

Insert into account values(564,"rajaji.123",1);

Insert into account values(544,"kanchan.123",1);

Insert into account values(574,"harsh.123",1);

Insert into account values(584,"ayush.123",1);

Insert into account values(594,"karan.123",1);

Insert into account values(504,"sagar.123",1);

Insert into owner value(2781,"Subrahmin Swami","subrahmin23_32@gmail.com","8282342201");

Insert into owner value(2673,"Singhanian Khan","singhanian456@gmail.com","6782344567");

Insert into owner value(2456,"Aonirjito Goswami","goswami1991@gmail.com","6739205858");

Insert into owner value(2897,"Najeem Chaturvedi","najeem1282@gmail.com","7564739495");

Insert into owner value(2907,"Shreedhar Bajpai","bajpai_revenger@gmail.com","4752039423");

Insert into owner value(2432,"Manushree Chillar","chillar_missindia@gmail.com","8474355284");

Insert into owner value(2663,"Tripti Singh","tripti_1999@gmail.com","6730395930");

Insert into owner value(2333,"Harshita Malviya","harshit1991@gmail.com","9838448292");

Insert into owner value(2533,"Rohini Singh","rohini_dapa@gmail.com","9754838494");

Insert into owner value(2998,"Jaswant Bajaj","bajaj_jaswant@gmail.com","9827368211");

Insert into property values(15164,"sell","2011-04-13",6500000,503,2781,"yes","House number 2/124");

Insert into property values(19325,"rent","2010-05-23",8000,503,2673,"yes","House number 2/263");

Insert into property values(16932,"sell","2009-06-30",5300000,503,2456,"no","House number 8/567");

Insert into property values(14322,"sell","2011-04-12",2000000,503,2897,"yes","House number 9/223");

Insert into property values(16445,"sell","2012-03-31",5900000,542,2907,"yes","House number 23/998");

Insert into property values(18232,"sell","2013-02-23",6900000,542,2673,"yes","House number 9/123");

Insert into property values(17789,"rent","2012-01-19",9000,542,2432,"no","House number 91/836");

Insert into property values(13237,"sell","2008-06-11",15000000,542,2663,"yes","House number 9/1443");

Insert into property values(19932,"sell","2014-02-27",3500000,583,2333,"yes","House number 9/113");

Insert into property values(18765,"sell","2015-08-25",5700000,583,2673,"no","House number 77/133");

Insert into property values(17256,"rent","2014-03-23",12000,583,2533,"no","House number 67/235");

Insert into property values(18835,"sell","2015-07-08",8500000,583,2998,"yes","House number 76/456");

Insert into pin_detail values(208001,"Kanpur","Bada Chauraha");

Insert into pin_detail values(208002,"Kanpur","Nawabganj");

Insert into pin_detail values(208003,"Kanpur","Civil Lines");

Insert into pin_detail values(208004,"Kanpur","Kakadeo");

Insert into pin_detail values(208532,"Kanpur","Mall Road");

Insert into pin_detail values(208322,"Kanpur","Barra");

Insert into pin_detail values(208110,"Kanpur","Naubasta");

Insert into detail values(15164,2,445,208004);

Insert into detail values(19325,2,456,208002);
Insert into detail values(16932,3,785,208004);
Insert into detail values(14322,1,354,208001);
Insert into detail values(16445,2,436,208532);
Insert into detail values(18232,3,719,208001);
Insert into detail values(17789,3,699,208003);
Insert into detail values(13237,4,1290,208002);
Insert into detail values(19932,1,398,208322);
Insert into detail values(18765,2,510,208110);
Insert into detail values(17256,3,778,208001);
Insert into detail values(18835,NULL,1390,208532);

Insert into sell values(16932,"Rajaji","2013-08-15");
Insert into sell values(18765,"Kanchan Daga","2017-05-14");
Insert into sell values(15164,"karan dogra","2013-05-14");

Insert into rent values(17789,"Harsh Singham","2014-05-19");
Insert into rent values(17256,"Ayush Mehrotra","2016-02-18");

Insert into agent(a_id,a_name,email,mobile,address,flag) values (900,'akash kumar','akash7@gmail.com',8540657890,'patna city',0);

Insert into agent(a_id,a_name,email,mobile,address,flag) values (901,'mahesh kumar','mahesh95@gmail.com',9876423780,'rajendra nagar',1);

Insert into agent(a_id,a_name,email,mobile,address,flag) values (902,'mohit singh','ssmohit@gmail.com',7643539984,'Kurji mode',1);

Insert into agent(a_id,a_name,email,mobile,address,flag) values (903,'shweta singh','shweta95@gmail.com',6985664213,'Laxmi nagar',0);

Insert into agent(a_id,a_name,email,mobile,address,flag) values (904,'sunil singh','singh.sunil@gmail.com',8796206547,'bazar samiti',1);

Insert into agent(a_id,a_name,email,mobile,address,flag) values (905,'pritam singh','pritam_97@gmail.com',9977654210,'mithapur',0);

Insert into agent(a_id,a_name,email,mobile,address,flag) values (906,'Raj Khandelwal','raj.khandelwal@gmail.com',7410258963,'Karbigayah',0);

Insert into agent(a_id,a_name,email,mobile,address,flag) values (907,'Gurmeet singh','gurmeet1995@gmail.com',6547893210,'Kankarbagh',1);

insert into account values(900,'aka@123',0);

insert into account values(901,'mah@123',1);

insert into account values(902,'moh@123',1);

insert into account values(903,'shw@123',0);

insert into account values(904,'sun@123',1);

insert into account values(905,'pri@123',0);

insert into account values(906,'raj@123',0);

insert into account values(907,'gur@123',1);

insert into owner values(9000,'Shubham Singh','shubham912@gmail.com',8769856870);

insert into owner values(9001,'Swapil Raj','swap_raj@gmail.com',7776668970);

insert into owner values(9002,'Aditya Shukla','adi_shukla@gmail.com',7899878790);

insert into owner values(9003,'ayushmaan singh','singh.aayushmaan@gmail.com',6668955412);

insert into owner values(9004,'akshat agarwal','akshat_001@gmail.com',9875621243);

insert into owner values(9005,'akansha singh','akanshasingh943@gmail.com',8731469870);

insert into owner values(9006,'Sunny singh','sunny.singh2010@gmail.com',7790012370);

insert into owner values(9007,'Vikash singh','vikash4singh@gmail.com',9314785260);

insert into owner values(9008,'Anand Philip','philip.anand@gmail.com',7654123980);

insert into owner values(9009,'Gyanendra Upadhyay','gyan.upadhyay@gmail.com',7854033449);

```
insert into property(p_id,p_type,p_reg_date,cost,agent_id,owner_id,avail,address)
values(90000,'rent','2010-06-06',1200,900,9001,'yes','nehru nagar');
```

```
insert into property(p_id,p_type,p_reg_date,cost,agent_id,owner_id,avail,address)
values(90001,'sell','2012-12-11',500000,900,9000,'yes','gandhi maiden');
```

```
insert into property(p_id,p_type,p_reg_date,cost,agent_id,owner_id,avail,address)
values(90002,'sell','2014-06-02',1000000,900,9002,'no','kankarbagh');
```

```
insert into property(p_id,p_type,p_reg_date,cost,agent_id,owner_id,avail,address)
values(90003,'rent','2015-12-09',8000,903,9001,'yes','patna saheb');
```

```
insert into property(p_id,p_type,p_reg_date,cost,agent_id,owner_id,avail,address)
values(90004,'sell','2016-11-11',2000000,907,9003,'yes','bazar samiti');
```

```
insert into property(p_id,p_type,p_reg_date,cost,agent_id,owner_id,avail,address)
values(90005,'rent','2016-12-12',12000,903,9004,'no','boring road');
```

```
insert into property(p_id,p_type,p_reg_date,cost,agent_id,owner_id,avail,address)
values(90006,'sell','2017-01-16',825000,905,9005,'yes','rajapul');
```

```
insert into property(p_id,p_type,p_reg_date,cost,agent_id,owner_id,avail,address)
values(90007,'rent','2017-03-07',15000,907,9004,'yes','incometax');
```

```
insert into property(p_id,p_type,p_reg_date,cost,agent_id,owner_id,avail,address)
values(90008,'rent','2017-12-18',2900,903,9006,'yes','golambar');
```

```
insert into property(p_id,p_type,p_reg_date,cost,agent_id,owner_id,avail,address)
values(90009,'sell','2018-01-01',8000000,905,9007,'yes','karbigayia');
```

```
insert into pin_detail(pincode,city,locality) values(800011,'patna','Patliputra');
```

```
insert into pin_detail(pincode,city,locality) values(800014,'patna','Gaighat');
```

```
insert into pin_detail(pincode,city,locality) values(800020,'patna','RJPB');
```

```
insert into pin_detail(pincode,city,locality) values(800001,'patna','PSEB');
```

```
insert into pin_detail(pincode,city,locality) values(800013,'patna','PNJN');
```

```
insert into pin_detail(pincode,city,locality) values(800012,'patna','P&M');
```

```
insert into pin_detail(pincode,city,locality) values(800017,'patna','PNJN');
```

```
insert into detail(p_id,BHK,area,pincode) values(90000,1,800,800014);
```

```
insert into detail(p_id,BHK,area,pincode) values(90001,2,1200,800011);
```



```
insert into detail(p_id,BHK,area,pincode) values(90002,3,1800,800020);
insert into detail(p_id,BHK,area,pincode) values(90003,2,1400,800001);
insert into detail(p_id,BHK,area,pincode) values(90004,4,3500,800014);
insert into detail(p_id,BHK,area,pincode) values(90005,4,2000,800013);
insert into detail(p_id,BHK,area,pincode) values(90006,3,1700,800001);
insert into detail(p_id,BHK,area,pincode) values(90007,5,3000,800013);
insert into detail(p_id,BHK,area,pincode) values(90008,2,1650,800012);
insert into detail(p_id,BHK,area,pincode) values(90009,7,4500,800017);
```

```
insert into sell values(90002,'harsh sahu','2015-03-07');
```

```
insert into rent values(90005,'jeevan jaiswal','2017-04-01');
```

```
insert into agent (a_id,a_name,email,mobile,address,flag) values
(310,'sajid khan','sajidkhan@gmail.com',6266343548,'omaxe city',0),
(321,'gourav bajaj','gouravbj@gmail.com',9871235500,'mahalakshmi nagar',0),
(336,'amit majhi','amitmajhi007@gmail.com',8923329044,'bengali square',0),
(398,'harsh gupta','harsh_1999@gmail.com','8327302783','kothibazar',1),
(399,'mehul soni','mehulsoni_7@gmail.com','8332983283','sadar',1)
;
```

```
insert into account(user_id,password,flag) values
(310,'sajid789',0),
(321,'bajaj007',0),
(336,'amit_random',0),
```

(398,'harsh_is_harsh',1),

(399,'sonimehul91',1)

;

insert into owner(owner_id,o_name,o_email,o_mobile) values

(4110,'shyam agarwal','shyamproject@gmail.com','9412108911'),

(4222,'dharmendra dhaka','dhakaproperty@gmail.com','9422680120'),

(4312,'kl jha','klcontact@gmail.com','9431865432'),

(4426,'bhuvi kumar','bhuvi@cricket.ac.in','9441234068'),

(4568,'nitin goel','nitinamir@gmail.com','9450112334'),

(4579,'naman ojha','namanojha@gmail.com','9467176280')

;

insert into property(p_id,p_type,p_reg_date,cost,agent_id,owner_id,avail,address) values

(30001,'rent','2018-08-10',9000,310,4110,'yes','DB corp'),

(30002,'sell','2017-11-12',4500000,310,4110,'yes','DB corp'),

(30003,'sell','2015-03-20',6000000,310,4110,'yes','skye lusuria 20'),

(30004,'rent','2016-06-10',12000,321,4222,'yes','golden palms'),

(30005,'sell','2018-02-16',3000000,321,4222,'yes','the residence'),

(30006,'rent','2015-09-29',10000,321,4312,'yes','pearl galaxy'),

(30007,'sell','2016-12-01',9000000,310,4426,'yes','gokuldham society'),

(30008,'sell','2017-01-31',11000000,310,4426,'no','dcnpl hills vist'),

(30009,'rent','2016-01-22',15000,336,4568,'no','space park'),

(31010,'rent','2018-07-12',20000,336,4568,'yes','nariman point'),

(31111,'rent','2014-06-19',6000,336,4579,'yes','race course road'),

(31212,'sell','2018-02-18',2700000,336,4579,'yes','gulmohar colony')

;

insert into pin_detail(pincode,city,locality) values

(452001,'indore','nipania'),

(452002,'indore','vijay nagar'),

(452003,'indore','bicholi mardana'),

(452004,'indore','super corridor'),

(452005,'indore','mahalakshmi nagar'),

(452006,'indore','chawni')

;

insert into detail(p_id,BHK,area,pincode) values

(30001,3,2192,452001),

(30002,1,750,452001),

(30003,2,1500,452002),

(30004,3,500,452002),

(30005,3,2000,452003),

(30006,3,1250,452003),

(30007,1,650,452004),

(30008,2,550,452004),

(30009,2,860,452005),

(31010,3,1180,452005),

(31111,4,1210,452006),

(31212,4,2000,452006)

;

insert into sell(p_id,s_name,date) values

(30008,'harsh gupta','2017-02-15');

insert into rent(p_id,r_name,date) values

(30009,'mehul soni','2017-01-22')

;

Some of Mysql Queries Used in Project

1.Find addresses of home in your city(for example Guwahati) costing between Rs.20,00,000 and Rs.40,00,000.

select address from property,detail,pin_detail where property.p_id = detail.p_id and detail.pincode=pin_detail.pincode and city = 'indore'and avail='yes' and (cost>=2000000 and cost<=4000000);

2.Find addresses of home for rent in GS road(you can use name of another locality if your city is different) with atleast 2 bedrooms

and costing less than Rs.10,000 per month.//where is city

select address from property,detail,pin_detail where property.p_id = detail.p_id and detail.BHK>=2 and detail.pincode = pin_detail.pincode and

pin_detail.locality = 'mahalakshmi nagar' and property.cost<=10000;

3.Find the name of the agent who has sold the most property in the year 2019 by total amount in rupees.

```
select a_name,sum(cost) from agent,property,sell where (flag=0 and agent.a_id=property.agent_id
and avail='no' and p_type='sell' and property.p_id = sell.p_id and sell.date>='2019-01-01' and
sell.date<='2019-12-31') group by a_name order by sum(cost) desc limit 1;
```

4.For each agent,compute the average selling price of properties sold in 2018,and the average time the property was on the market.Note that this suggests the use of date attribute.

```
create view v as(select a_name,sell.p_id,datediff(date,p_reg_date) as datedif,year(date) as
sold_year,cost from agent,property,sell where agent.a_id=property.agent_id and
property.p_id=sell.p_id);
```

```
select a_name,avg(datedif),avg(cost),sold_year from v group by a_name having sold_year="2013";
```

5.List the details of the most expensive houses and the houses with the highest rent in the databases.

```
(select * from property where p_type='rent' order by cost desc limit 1) union (select * from property
where p_type='sell' order by cost desc limit 1);
```