Lab sheet 9 solution

Table Setup for Estate Agency :

Branch

Bno	Street	Area	City	Pcode	Tel_No	Fax_No
B5	22 Deer Rd	Sidcup	London	SW1 2EH	0171-8861212	0171-8861214
B7	16 Argyll St	Dyce	Aberdeen	AB2 3SU	01224-67125	01224-67111
B3	163 Main St	Partick	Glasgow	G11 9QX	0141-3392178	0141-3394439
B4	32 Manse Rd	Leigh	Bristol	BS99 1NZ	0117-9161170	0117-7761114
B2	56 Clover Dr		London	NW10 6EU	0181-9631030	0181-4537992

Staff

Sno	Fname	Lname	Address	TelNo	Position	Sex	DOB	Salary	NIN	Bno
SL21	John	White	19 Taylor St, London	0171-8445112	Manager	M	1/10/45	30000	WK442011B	B5
SG37	Ann	Beech	81 George St, Glasgow	0141-8483345	Senior Assistant	F	10/160	12000	Wl432514C	B3
SG14	David	Ford	63 Ashby St, Glasgow	0141-3392177	Deputy	M	24/3/58	18000	WL220658D	B3
SA9	Mary	Howe	2 Elm Place, Aberdeen		Assistant	F	19/2/70	9000	WM532187D	B7
SG5	Susan	Brand	5 Gt Western Rd, Glasgow	0141-3342001	Manager	F	3/6/40	24000	WK588932E	B3
SL41	Julie	Lee	28 Malvern St Kilburn	0181-5543541	Assistant	F	13/6/65	9000	WA290573K	B5

PROPERTY_FOR_RENT

Pno	Street	Area	City	Pcode	Type	Rooms	Rent	Ono	Sno	Bno
PA14	16 Hollyhead	Dee	Aberdeen	AB7 5SU	House	6	650	CO46	SA9	B7
PL94	6 Argyll St	Kilburn	London	NW2	Flat	4	400	CO87	SL41	B5
PG4	6 Lawrence St	Partick	Glasgow	G11 9QX	Flat	3	350	CO40	SG14	B3
PG36	2 Manor Rd		Glasgow	G32 4QX	Flat	3	375	CO93	SG37	B3
PG21	18 Dale Rd	Hyndland	Glasgow	G12	House	5	600	CO87	SG37	B3
PG16	5 Novar Dr	Hyndland	Glasgow	G12 9AX	Flat	4	450	CO93	SG14	B3

RENTER

Rno	Fname	Lname	Address	Tel_No	Pref_Type	Max_Rent
CR76	John	Kay	56 High St, Putney, London, SW1 4EH	0171-774-5632	Flat	425
CR56	Aline	Stewart	64 Fern Dr. Pollock, Glasgow, G42 OBL	0141-848-1825	Flat	350
CR74	Mike	Ritchie	18 Tain St, Gourock., PA1G 1YQ	01475-392178	House	750
CR62	Mary	Tregear	5 Tarbot Rd,Kidary, Aberdeen, AB9 3ST	01224-196720	Flat	600

OWNER

Ono	Fname	LName	Address	Tel_No
CO46	Joe	Keogh	2 Fergus Dr, Banchory, Aberdeen AB2 7SZ	01224-861212
CO87	Carol	Farrel	6 Achray St, Glasgow, G32 9DX	0141-357-7419
CO40	Tina	Murphy	63 Well St, Shawlands, Glasgow G42	0141-934-1728
CO93	Tony	Shaw	12 Park Pl, Hillhead, Glasgow G4 OQR	0141-225-7025

VIEWING

Rno	Pno	Date	Comment
CR56	PA14	24/5/95	Too small
CR76	PG4	20/4/95	Too remote
CR56	PG4	26/5/95	
CR62	PA14	14/5/95	No dining room
CR56	PG36	28/4/95	

Questions

Q1: How many properties are there for Rent?

Select COUNT (*) from property_for_rent;

Q2: How many Branches are there?

Select COUNT (*) from branch;

Q3: How many Staff are there?

Select COUNT (*) from staff;

Q4: List the Staff in B5?

select * from staff where bno='B5';

Q5: List the number of staff per branch?

select count(*), bno from staff group by bno;

Q6: How many Viewings were there for property number PA14?

select count (*) from viewing where pno='pa14';

Q7: What is the total Salary bill in the company?

USE SUM FUNCTION
select sum(salary) as "total salary" from staff;

Q8: Who is the highest paid?

USE A SELECT STATEMENT WITHIN A SELECT STATEMENT
select fname, lname, salary from staff where salary = (select max(salary)from staff);

Q9: Find the owners do not live in Glasgow?

USE THE LIKE FUNCTION WITH A WILD CARD
select * from owner where address not like "%Glasgow%";

Q10: Find Owners whose last names end in 'Y'

USE THE LIKE FUNCTION WITH A WILD CARD
select * from owners where lname like '%Y';