

Consider the following schema definitions:














Branch (branchNo, street, city, postcode)

Staff














(staffNo, fName, lName, position, sex, DOB, salary, branchNo)

Viewing (clientNo, propertyNo, viewDate, comment)














Branch Table

		branchNo	street	city	postcode
<input type="checkbox"/>	 Edit  Copy  Delete	1	oxford street	London	7001
<input type="checkbox"/>	 Edit  Copy  Delete	2	Wall street	America	9002
<input type="checkbox"/>	 Edit  Copy  Delete	3	Aylward Street	Bristol	4008
<input type="checkbox"/>	 Edit  Copy  Delete	4	163 Main street	Germany	1003

Staff Table

		staffNo	fName	lName	position	sex	DOB	salary	branchNo
<input type="checkbox"/>	 Edit  Copy  Delete	60	john	cena	Senior Developer	Male	1992	35000	1
<input type="checkbox"/>	 Edit  Copy  Delete	61	clara	mathew	Hr	Female	1995	9000	2
<input type="checkbox"/>	 Edit  Copy  Delete	62	Reba	john	Python Developer	Female	2000	13000	3
<input type="checkbox"/>	 Edit  Copy  Delete	63	Kiran	Sharma	Business Analyst	Male	1996	20000	4

Viewing Table

		clientNo	propertyNo	viewDate	comment
<input type="checkbox"/>	 Edit  Copy  Delete	101	PG4	April 2004	hai
<input type="checkbox"/>	 Edit  Copy  Delete	102	PG3	Feb 2001	hello
<input type="checkbox"/>	 Edit  Copy  Delete	103	PG2	April 2004	hai
<input type="checkbox"/>	 Edit  Copy  Delete	104	PG1	March 2003	hello

1. List the address of all branch offices in London or Bristol.

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2. List the staff with a salary between \$10000 and \$30000.

				fname	salary
<input type="checkbox"/>				Reba	13000
<input type="checkbox"/>				Kiran	20000

☐ Check all With selected: Edit Copy Delete Export

3. List the staff in descending order of salary.

				staffNo	fName	lName	position	sex	DOB	salary	branchNo
<input type="checkbox"/>				60	john	cena	Senior Developer	Male	1992	35000	1
<input type="checkbox"/>				63	Kiran	Sharma	Business Analyst	Male	1996	20000	4
<input type="checkbox"/>				62	Reba	john	Python Developer	Female	2000	13000	3
<input type="checkbox"/>				61	clara	mathew	Hr	Female	1995	9000	2

☐ Check all With selected: Edit Copy Delete Export

4. Find the number of different properties viewed in April 2004.

Showing rows 0 - 0 (1 total, Query took 0.0003 seconds.)

```
select count(viewDate) from viewing WHERE viewDate='April 2004';
```

☐ Profiling [[Edit inline](#)] [[Edit](#)] [[Explain SQL](#)] [[Create PHP code](#)] [[Refresh](#)]

☐ Show all | Number of rows: Filter rows:

Extra options

count(viewDate)
 2

5. Find the minimum, maximum and average staff salary

✓ Showing rows 0 - 0 (1 total, Query took 0.0003 seconds.)

```
select min(salary),max(salary),avg(salary) from staff;
```

☐ Profiling [[Edit inline](#)] [[Edit](#)] [[Explain SQL](#)] [[Create PHP code](#)] [[Refresh](#)]

☐ Show all | Number of rows: 25 ▾ Filter rows:

Extra options

min(salary)	max(salary)	avg(salary)
9000	35000	19250.0000

☐ Show all | Number of rows: 25 ▾ Filter rows:

6. List the staff who work in the branch whose stree address is '163 Main Street'

```
SELECT * FROM staff JOIN branch ON staff.branchNo = branch.branchNo WHERE branch.street = '163 Main Street';
```

☐ Profiling [[Edit inline](#)] [[Edit](#)] [[Explain SQL](#)] [[Create PHP code](#)] [[Refresh](#)]

☐ Show all | Number of rows: 25 ▾ Filter rows:

Extra options










staffNo	fName	lName	position	sex	DOB	salary	branchNo	branchNo	street	city	postcode
63	Kiran	Sharma	Business Analyst	Male	1996	20000	4	4	163 Main street	Germany	1003

☐ Show all | Number of rows: 25 ▾ Filter rows:

7. Give all Hr 5% increase to their salary

				staffNo	fName	lName	position	sex	DOB	salary	branchNo
<input type="checkbox"/>				60	john	cena	Senior Developer	Male	1992	35000	1
<input type="checkbox"/>				61	clara	mathew	Hr	Female	1995	9450	2
<input type="checkbox"/>				62	Reba	john	Python Developer	Female	2000	13000	3
<input type="checkbox"/>				63	Kiran	Sharma	Business Analyst	Male	1996	20000	4

8. Delete all viewings that belong to property with property number PG4.

<div> <div>↔T↔</div> <div>▼</div> </div>				clientNo	propertyNo	viewDate	comment
<input type="checkbox"/>	 Edit	 Copy	 Delete	102	PG3	Feb 2001	hello
<input type="checkbox"/>	 Edit	 Copy	 Delete	103	PG2	April 2004	hai
<input type="checkbox"/>	 Edit	 Copy	 Delete	104	PG1	March 2003	hello