Q1

1. SELECT *
   from topbabynamesbystate;

   ANSWER:

State	Gender	Year	TopName	Occurrences
AK	F	1910	Mary	14
AK	F	1911	Mary	12
AK	F	1912	Mary	9
AK	F	1913	Mary	21
AK	F	1914	Mary	22
AK	F	1915	Mary	23
AK	F	1916	Mary	18
AK	F	1917	Mary	21
AK	F	1918	Mary	27
AK	F	1919	Mary	22
AK	F	1920	Mary	38

   topbabynamesbystate 84

   Continuing down…

2. SELECT COUNT(*)
   from topbabynamesbystate;

   ANSWER: 10506

COUNT(*)
10506

3. SELECT DISTINCT (TopName)
   FROM topbabynamesbystate
   ORDER BY TopName ASC;

   ANSWER:

TopName
Addison
Aiden
Alexander
Alexis
Alyssa
Amanda
Andrew
Angel
Angela
Anthony
Ashley
Austin
Ava
Barbara

   Result 83

   Continuing down…

4. SELECT COUNT(DISTINCT TopName)
   FROM topbabynamesbystate;

   ANSWER: 95

COUNT(DISTINCT TopNam...
95

5. SELECT TopName, State, Year
   FROM topbabynamesbystate
   ORDER BY Occurrences DESC
   LIMIT 1;

   ANSWER: Robert, NY, 147

TopName	State	Year
Robert	NY	1947

6. SELECT AVG(Occurrences)
   FROM topbabynamesbystate
   WHERE State='CA' AND TopName='Jessica';

   ANSWER: 5474.4286

AVG(Occurrences)
► 5474.4286

7. SELECT COUNT(*) as 'Mary_topinCA'
   FROM topbabynamesbystate
   WHERE State='CA' AND TopName='Mary';

   ANSWER: 31

Mary_topinCA
► 31

8. SELECT TopName, Occurrences
   FROM topbabynamesbystate
   WHERE State='WA' AND YEAR>=2000 AND GENDER = 'F'
   ORDER BY Occurrences DESC
   LIMIT 3;

   ANSWER:

TopName	Occurrences
► Emily	558
Emma	555
Emily	507

9. SELECT TopName, AVG(Occurrences)
   FROM topbabynamesbystate
   GROUP BY TopName
   HAVING AVG(Occurrences)>1000
   ORDER BY TopName ASC;

   ANSWER:

TopName	AVG(Occurrences)
► Barbara	1075.5862
Christopher	1088.6949
Daniel	3864.0000
David	1329.9543
Deborah	1134.6923
James	1742.9333
Jennifer	1198.0118
Jessica	1009.9091
Joan	1557.6250
John	1413.5495
Jose	1498.5000
Karen	1221.3333
Linda	1553.2300
Lisa	1100.2778
Mary	1297.6295
Michael	1619.7329
Result 82	

   Continuing down…

Q2

1. SELECT EmployeeID, FirstName
   FROM employees
   WHERE FirstName LIKE 'pa___a';

   ANSWER:

EmployeeID	FirstName
▶ 10000	Pamela

2. SELECT COUNT(hired_date)
   FROM employees INNER JOIN office
   ON employees.Location=office.Location
   WHERE year(hired_date)>=2000 AND regionaloffice = 'no';

   ANSWER: 4

COUNT(*)
▶ 4

3. SELECT EmployeeID
   FROM employees INNER JOIN office
   ON employees.Location = office.Location
   WHERE auditcode=100 AND title='Account Rep'
   ORDER BY hired_date DESC
   LIMIT 1;

   ANSWER: 60000

EmployeeID
▶ 60000

4. SELECT Title, AVG(salaries)
   FROM employees
   WHERE Performance = 'Poor'
   GROUP BY Title;

   ANSWER:

Title	AVG(salaries)
▶ Trainee	18000
Account Rep	40000
Manager	52000

5. SELECT *
FROM employees
WHERE day(hired_date)=31 AND LastName LIKE '_____';

ANSWER:

Emp...	LastName	FirstName	Location	Title	Gender	Performance	ManagerID	hired_date	salaries
55555	Frank	Vernon	Miami	Account Rep	M	Good		2006-01-31	75000

6. SELECT *
FROM employees
WHERE Salaries>(
SELECT AVG(Salaries)
FROM employees);

ANSWER:

Emp...	LastName	FirstName	Location	Title	Gender	Performance	ManagerID	hired_date	salaries
10000	Milgrom	Pamela	Boston	Manager	F	Average	88888	1999-11-22	57000
100...	Schwartz	John	London	Manager	M	Good	22222	2006-01-03	60000
22222	Coulter	Tracey	Atlanta	Manager	F	Good	22222	1999-05-10	100000
30000	Marlin	Billy	Miami	Manager	M	Good	10000	1992-03-12	125000
44444	Smith	Francine	Atlanta	Account Rep	F	Good	10000	2002-05-21	65000
55555	Frank	Vernon	Miami	Account Rep	M	Good		2006-01-31	75000
70000	Adamson	David	Chicago	Manager	M	Poor		2006-04-10	52000

7. SELECT COUNT(*)
FROM employees
WHERE Salaries>(
SELECT AVG(Salaries)
FROM employees
WHERE Gender = 'F')
AND Gender = 'F';

ANSWER: 3

COUNT(*)
3