MySQL 2 Homework Answer Key

1. How many people are in the database?  
   SELECT COUNT( id ) FROM users
2. How many people are from New York?  
   SELECT COUNT( id ) FROM users WHERE state='NY'
3. How many people have opted out in total?  
   SELECT COUNT( id ) FROM users WHERE opt\_out=1
4. Show each state and the number of people in that state  
   SELECT state, COUNT( id ) FROM users GROUP BY state
5. How many total cars are owned?  
   SELECT SUM( cars ) FROM users
6. How many total cars are owned by people in FL?  
   SELECT SUM( cars ) FROM users WHERE state='FL'
7. What are the most number of cars owned by any one person?  
   SELECT MAX( cars ) FROM users
8. What are the least number of cars owned in NY?  
   SELECT MIN( cars ) FROM users WHERE state='NY'
9. How many cars are owned by each family (identified by last name)? **Show them in order of which family had the most cars.**SELECT lname, SUM( cars ) FROM users GROUP BY lname ORDER BY SUM( cars ) DESC
10. How many cars are owned in each state by Smiths? **Show them in order of which state had the most cars.**SELECT state, SUM( cars ) FROM users WHERE lname='Smith' GROUP BY state ORDER BY SUM( cars ) DESC
11. Show the states where Smiths own more than 2 cars  
    SELECT state FROM users WHERE lname='Smith' GROUP BY state HAVING SUM( cars ) > 2