Sample database questions

Try to generate answers using SQL
(In the actual test you will be given 4 possible answers)

How many men completed the survey?

What is the highest salary reported?

What is the highest salary in London?

What is the average age for single women?

How many people are in income band 3?

How many people said that the reason for working was "to buy basics"?

How many people in London said the reason for working was "to buy basics"?

How many married people live in London?

Write down the correct relational algebra expression to represent a correct join between the *survey* and *region* table (i.e. it should have a selection and projection in it on the shared field)

How many rows are produced when you cartesian product *reason* with *survey*?

How many rows are produced when you join *reason* with *survey*?

Other questions
Write down the relational algebra for the following SQL – select distinct (gender) from survey where region=1

What are the super keys for the *survey* table? What could be a candidate key?

Primary keys can be null – True / False ?

Foreign Keys must never be null – True / False ?