1. What is the maximum value of the blood test result?

SELECT MAX(result)

FROM biochem\_test\_results

13.699999809265137

1. What is the average value of each biochem test result?

SELECT AVG(result)

FROM biochem\_test\_results

5.935000044107437

1. Return the postcodes and the number of people who live there according to the demographics table.

SELECT postcode,count(\*)

FROM demographic

GROUP BY postcode

A screenshot of a computer

Description automatically generated

1. Return all the rows from the demographic table and their corresponding SIMD values from the simd table.

SELECT \*

FROM demographic

JOIN simd

ON demographic.postcode=simd.postcode

A screenshot of a computer

Description automatically generated

1. Return the number of people grouped by their SIMD value.

SELECT count(\*)

FROM simd

GROUP BY decile

A white and grey striped background

Description automatically generated with medium confidence

1. Return the first and last names and CHI numbers of the people who tested positive for infection (infection\_test\_results table).

SELECT first\_name,last\_name, 'chi'

FROM demographic

JOIN infection\_test\_results

ON demographic.chi=infection\_test\_results.chi

WHERE result='positive

A close up of a number

Description automatically generated

1. Return the first and last name, and type and number of biochemical tests each person in the demographic table had. (Think carefully: what do you need to “GROUP BY” here?)

SELECT first\_name,last\_name,test

FROM demographic

JOIN biochem\_test\_results

ON demographic.chi=biochem\_test\_results.chi

A screenshot of a computer

Description automatically generated

1. Return the number of people who have both biochemical and infection test results. (Think about how to make sure you only count each patient once.)

SELECT count(DISTINCT 'chi')

FROM biochem\_test\_results

JOIN infection\_test\_results

ON biochem\_test\_results.chi=infection\_test\_results.chi

A white rectangular object with a white background

Description automatically generated