● What was the bottleneck?

Full Table Scan was being used for a simple query.

Diagram

Description automatically generatedText, letter

Description automatically generated

● How did you identify it?

Ran query using “EXPLAIN”, which indicated a Full Table Scan was occurring with 10% of the rows being examined per query.

● What method you chose to resolve the bottleneck

Id column is the student’s primary key. Created an INDEX on the id column to allow for logarithmic runtime.

Diagram

Description automatically generatedGraphical user interface, text, application, email

Description automatically generated