**Assignment 5: Demonstrate the creation of an index on a table and discuss how it improves query performance. Use a DROP INDEX statement to remove the index and analyze the impact on query execution.**

to create an index on a table:

CREATE INDEX idx\_title ON Books(Title);

Adding an index on the Title column in the Books table will improve query performance when searching for books by their title.

To drop the index:

DROP INDEX idx\_title ON Books;

Dropping the index will impact query performance negatively if there are frequent queries that rely on searching or sorting by book titles.