1. Normalize this table:
   Car Dealership(Salesperson, Manufacturer, Model, Year, Color, Price).

   Create the ERD for the table you just normalized.

2. Normalize this table:
   School(StudentID, StudentName, Address, Phone, TeacherName, Class, Grade).

   Create the ERD for the table you just normalized.

3.
   a. create table book for bookstore database, consist of these columns:
      (1) id (int, auto increment, PK).
      (2) title (varchar, not null).
      (3) release_date (date, not null).
      (4) genre (varchar, not null).

   b. create table publisher for bookstore database, consist of these columns:
      (1) id (int, auto increment, PK).
      (2) name (varchar, not null).
      (3) address (int, not null,).

      create mapping table to connect table book and publisher.

4.
   a. create table students for school database, consist of these columns:
      (1) id (int, auto increment, PK).
      (2) name (varchar, not null).
      (3) dob (date, not null, check constraint no more students born before 1900).
      (4) email (varchar, unique, default null).

   b. create table courses for school database, consist of these columns:
      (1) id (int, auto increment, PK).
      (2) course_title (varchar, not null).
      (3) course_duration (int, not null, default 45).

      create mapping table to connect table student and courses.

5. Use ninja dataset, create stored procedure for inserting data.
6. Use ninja dataset, create stored procedure for deducting nilai to specific ninja.
7. Use ninja dataset, give the row number based on name alphabet.
8. Use movie dataset, find the most favorite director for each genre (rank).
9. Use movie dataset, find a movie title that has a character named Alice Harford, create an index for the query, show explain result before and after.
10. Use movie dataset, find actor that has played as Sean Maguire, create an index for the query, show explain result before and after.