Normalization Exercise: Automotive Repair

* You are designing a database for an automobile repair shop. When a customer brings in a vehicle, a service advisor will write up a repair order. This order will identify the customer and the vehicle, along with the date of service and the name of the advisor.
* A vehicle might need several different types of service in a single visit. These could include oil change, lubrication, rotate tires, and so on.
* Each type of service is billed at a pre-determined number of hours work, regardless of the actual time spent by the technician.
* Each type of service also has a flat book rate of dollars-per-hour that is charged.
* Description:
  + Describe each table, include each attributes data type.
  + Draw the ER diagram, including association tables if required.
  + Describe each association (both directions).
  + Develop the SQL CREATE statements for every entity designed.