CPTN207
Project 1A
Spring 2019

Below is an un-normalized database relation. Apply 1st, 2nd, and 3rd form normalization rules to the relation's data to create a set of relations in 3rd normal form. All the new relations should have numeric ID's as their primary keys. They can be auto generated where appropriate. Assume the new schema will need to store more information about the manufacturer than just the car manufacturer's name and HQ. In the future the relation may need to store the manufacturer's address, phone number, fax number, etc.

Deliverables:

- ER diagram – in 3rd normal form and correctly handling the car color attribute
- A script that creates the database relations and issues the describe table command for each table, to document the results.
- A script that loads the table information into the database.
- Output file for each table produced by a script using the select * from each relation created after the data has been inserted into the relations.
    - **select * from tablename into outfile "D:\SQLOutput\tablename.txt";**

Car ID	Car Make	HQ	Car Model	Car Vin	Car Color	Car Mileage
1	Ford	Dearborn, MI	Mustang	J8379793	Red	98274
2	Acura	Minato, Japan	Integra	W1348654	Blue	23541
3	Nissan	Yokohama, Japan	Altima	A837483	White	6432
4	Ford	Dearborn, MI	Taurus	J1738492	White	82452
5	Nissan	Yokohama, Japan	Altima	J839845	Black	53424
6	Nissan	Yokohama	Maxima	J4679138	Red	74515
7	Ford	Dearborn, MI	Taurus	T2948333	Silver	57322
8	Toyota	Toyota, Japan	Camry	K9147346	Blue	56532
9	Honda	Minato, Japan	Civic	J3613946	Blue	56581
10	Toyota	Toyota, Japan	Celica	J4691455	Green	24527
11	Honda	Minato, Japan	Accord	H4691455	Green	25527
12	Ford	Dearborn, MI	Crown Victoria	F4691455	Black	50527
13	Ford	Dearborn, MI	Ranger	F4691456	Grey	15527
14	Chevrolet	Detroit, MI	Aveo	C4568138	Light blue	65321
15	Chevrolet	Detroit, MI	Cobalt	C8897652	Dark blue	74526

Check all files into Canvas when complete.