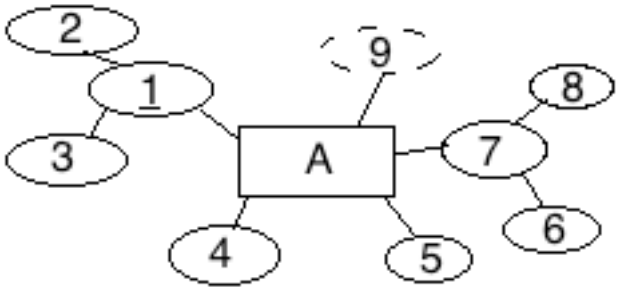
RIT	School of Information **Practice Exercise 3** **Database**	iSchool

Passed out Wednesday 9/11/2019 Due at the start of class Friday 9/13/2019
Print Very NEATLY your Lastname, FirstName

Name (Lastname,Firstname) _____ **Section:ISTE 230.01**

Part 1

Using relational structure notation, please transpose the E-R diagram below - **Create the Relational Schema**.



Relational Schema for the above diagram looks like

Your Answer:

Part 2

For each relation below, state whether or not the relation is in 1NF. If the relation is not in 1NF, please list the characteristic(s) being violated.

A(1, 2, 3, 4, 5, 6, 6, 7)

Your Answer:

B(1, 2, 3, 4)

Your Answer:

C(1, 2, 3, 4, 5, 6, 7, 8)

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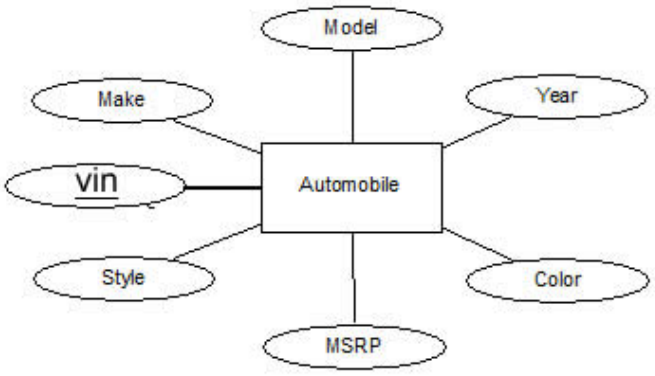
For this exercise, consider the following:

E-R Diagram	UML Diagram
	

1. Write and execute an SQL CREATE statement to create a database named PE3. Write the statement below.

   _____

2. Write script and run the script to CREATE the Automobile table in your PE3 database. Set the VIN attribute as the Primary key and Make sure it is AUTO_INCREMENT.

   Make sure the "—verbose" option is turned on. Next, create a "tee" file.

   MySQL> tee pe03.txt

   I **always** want many comments in your TEE and Script file. Please add the following SQL comments into the top of your TEE file and your SQL file

   -- Your name (Lastname, Firstname)
   -- Database Homework
   -- Section ISTE230.01
   -- PE#3 Due Friday 9/13/2019
   -- Professor Habermas – Office (GOL) 2443

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- ✓ Write and execute a script that contains 5 INSERT statements to insert the with the data from PAGE 3 of this Practice Exercise #3
- ✓ Write 2 SELECT statements. One that will display all the records in the table Automobile HORIZONTALLY, and a second SELECT statement that will display all the records VERTICALY!
- ✓ Write and execute a statement like the following
  DESCRIBE Automobile;
- ✓ Notee -- close your tee file.
- ✓ PRINT **BOTH** your .sql file AND your tee file and staple them to this PE assignment specification. Order, 1) Problem Specification, 2) SQL file 3) TEE file.

The vin column is set to **AUTO_INCREMENT**

Make **Up to 15 char**	**Model** **Up to 15 char**	**Year** **4 char**	**Color** **Up to 15 char**	**Style** **Up to 15 char**	**MSRP** **Double or DEC** **WHAT would DEC look like**	VIN **Int(4)** UNSIGNED ZEROFILL NOT NULL AUTO_INCREMENT
Chevy	Volt	2017	White	Hybrid	39290.99	0001
Ford	Mustang	2019	Blue	Convertible	47900.99	0002
Toyota	Prius	2018	Silver	Hybrid	25000.99	0003
Toyota	Camry	2008	Blue	Sedan	2000.50	0004
Dodge	1500	2007	Green	Pickup	1799.99	0005