Problem 1.

Create a Customer table to hold the following data:

- Customer Number (numbers only, with a maximum length of 8)
- The Item Ordered, the date of the order, and the price of the order
- The Customer's Social security number (so that the dashes will fit in the column e.g 111-22-4444)
- The Customer's name (think about this, don't use one column!)
- The Customer's Address (this about this one too)

Be sure to assign the NULL status for each column as you think would be appropriate.

The Primary Key of the table is the CustomerNo

```
CREATE TABLE Customer
(
  Customer_Num      numeric(8)    primary key,
  Item_Order        numeric(10)   NOT NULL,
  Order_Date        date           NOT NULL  ,
  Order_Price       numeric(7,2)   NOT NULL,
  SSN               varchar(11)     NOT NULL,
  First_Name        varchar(20)    NULL,
  Last_Name         varchar(20)    NOT NULL,
  Address           varchar(20)    NOT  NULL
);
```


Problem 2.

Alter the Customer lastname column in the following table to change the lastname column have a maximum size of 50.

```
CREATE TABLE people
(

SSN varchar(11) Primary Key,
LastName varchar(40) not null,
FirstName varchar(40),
Position varchar(40)

);
```

Do **NOT** use a CREATE TABLE statement here! Change the column definition without recreating the entire table.

YOUR ANSWER HERE:

```
ALTER TABLE people
    MODIFY LastName varchar(50);
```


Problem 3.

Create an appropriate index on the Social Security Number (SSN) in the following table...

```
CREATE TABLE people
(

People_ID numeric (11) Primary Key,
SSN varchar(11),
LastName varchar(40) not null,
FirstName varchar(40),
Position varchar(40)

);
```

NOTE: The Social Security Number should never have a duplicate value in the table.

```
CREATE UNIQUE INDEX people_ssn_idx
    ON people(ssn);
```


Problem 4.

Code a SQL statement to properly add "BooksRUs" as a publisher to the database.

Use the following data...

publisher ID: is 7

address: "456 Publisher Lane, St. Louis, MO "

IMPORTANT: Your statement must list the specific column names for any values being added!

```
INSERT INTO publisher
    (pub_id,name, address, city, state)
VALUES
    (7,'BooksRUs','456 Publisher Lane' ,'St. Louis' ,'MO');
```


Problem 5.

Code a SQL statement to change the type to "geeky" for any book that has the word "Computer" or "Networking" in the title.

```
UPDATE book
    SET type = 'geeky'
WHERE title = 'Computer' OR 'Networking';
```


Problem 6.

Code a SQL statement to remove the all authors that live in Utah.

YOUR ANSWER HERE:

```
DELETE from author
WHERE state = 'UT';
```