

I have attached q1.sql (the example for question1) on BlackBoard

You should put this SQL query into the appropriate file extend by sql(q1.sql) in the same directory as the db file.

Follow the command listed on the below to run the query in the file

```
E:\CSC315\HOMEWORK1>sqlite3 northwind.db ".read q1.sql"
Beverages
Condiments
Confections
Dairy Products
Grains/Cereals
Meat/Poultry
Produce
Seafood

E:\CSC315\HOMEWORK1>
```

Please submit **THREE** sql file(s) follow the q1 on BlackBoard.

Comments should be followed by -- on sql file

1. List all Category Names ordered alphabetically **by decent**(5 points).

The example list below is order by ascent

Modify the commands on the example to finish the questions

```
E:\CSC315\HOMEWORK1>sqlite3 northwind.db
SQLite version 3.39.2 2022-07-21 15:24:47
Enter ".help" for usage hints.
sqlite> SELECT CategoryName FROM Category ORDER BY CategoryName;
Beverages
Condiments
Confections
Dairy Products
Grains/Cereals
Meat/Poultry
Produce
Seafood
sqlite>
```

2. Show all **unique** Ship company Names **ordered by ascend** from the table which name is Order and contain a symbol '-' (5 points)

The example list below only prints the ship company name that contain a symbol '-'

Modify the commands on the example to finish the questions

```
sqlite> SELECT ShipName, substr(ShipName, 0, instr(ShipName, '-')) as PreHyphen FROM 'Order' WHERE ShipName Like '%-';
Chop-suey Chinese|Chop
HILARION-Abastos|HILARION
GROSELLA-Restaurante|GROSELLA
QUICK-Stop|QUICK
LILA-Supermercado|LILA
QUICK-Stop|QUICK
QUICK-Stop|QUICK
LILA-Supermercado|LILA
Hungry Owl All-Night Grocers|Hungry Owl All
Hungry Owl All-Night Grocers|Hungry Owl All
QUICK-Stop|QUICK
Save-a-lot Markets|Save
LILA-Supermercado|LILA
Hungry Owl All-Night Grocers|Hungry Owl All
QUICK-Stop|QUICK
LILA-Supermercado|LILA
QUICK-Stop|QUICK
Chop-suey Chinese|Chop
Hungry Owl All-Night Grocers|Hungry Owl All
Hungry Owl All-Night Grocers|Hungry Owl All
LILA-Supermercado|LILA
Bottom-Dollar Markets|Bottom
Save-a-lot Markets|Save
HILARION-Abastos|HILARION
Save-a-lot Markets|Save
LINO-Delicatesses|LINO
Bottom-Dollar Markets|Bottom
Bottom-Dollar Markets|Bottom
QUICK-Stop|QUICK
Hungry Owl All-Night Grocers|Hungry Owl All
Bottom-Dollar Markets|Bottom
Save-a-lot Markets|Save
QUICK-Stop|QUICK
```

3. The example list ship country in north America ('USA', 'Mexico', 'Canda') and the order ID sort by ascent(5 points).

**Modify the example to list 30 Orders which destination is north America and all the order ID greater than 15464 and start from the 12th order**

```
sqlite> SELECT Id, ShipCountry FROM 'Order' WHERE ShipCountry IN ('USA', 'Mexico', 'Canada') ORDER BY Id ASC LIMIT 10;
10259|Mexico
10262|USA
10269|USA
10271|USA
10272|USA
10276|Mexico
10293|Mexico
10294|USA
10304|Mexico
10305|USA
sqlite>
```