REGION

RegionID	RegionName
C	Chicagoland
T	Tristate

PRODUCT

ProductID	ProductName	ProductPrice	VendorID	CategoryID
1X1	Zzz Bag	$100	PG	CP
2X2	Easy Boot	$70	MK	FW
3X3	Cosy Sock	$15	MK	FW
4X4	Dura Boot	$90	PG	FW
5X5	Tiny Tent	$150	MK	CP
6X6	Biggy Tent	$250	MK	CP

VENDOR

VendorID	VendorName
PG	Pacifica Gear
MK	Mountain King

STORE

StoreID	StoreZip	RegionID
S1	60600	C
S2	60605	C
S3	35400	T

CATEGORY

CategoryID	CategoryName
CP	Camping
FW	Footwear

SALES TRANSACTION

TID	CustomerID	StoreID	TDate
T111	1-2-333	S1	1-Jan-2013
T222	2-3-444	S2	1-Jan-2013
T333	1-2-333	S3	2-Jan-2013
T444	3-4-555	S3	2-Jan-2013
T555	2-3-444	S3	2-Jan-2013

SOLDVIA

ProductID	TID	NoOfItems
1X1	T111	1
2X2	T222	1
3X3	T333	5
1X1	T333	1
4X4	T444	1
2X2	T444	2
4X4	T555	4
5X5	T555	2
6X6	T555	1

CUSTOMER

CustomerID	CustomerName	CustomerZip
1-2-333	Tina	60137
2-3-444	Tony	60611
3-4-555	Pam	35401

1.1
```
SELECT *
FROM REGION;
```

1.2
```
SELECT S.StoreID, S.StoreZip
FROM STORE AS S;
```

1.3
```
SELECT C.CustomerName, C.CustomerZip
FROM CUSTOMER AS C
ORDER BY C.CustomerName ASC;
```

1.4
```
SELECT DISTINCT S.RegionID
FROM STORE AS S;
```

1.5
```
SELECT *
FROM STORE
WHERE RegionID = 'C';
```

1.6
```
SELECT C.CustomerID, C.CustomerName
FROM CUSTOMER AS C
WHERE CustomerName = 'T*';
```

1.7
```
SELECT P.ProductID, P.ProductName, P.ProductPrice
FROM PRODUCT AS P
WHERE ProductPrice >= $100;
```

1.8
```
SELECT P.ProductID, P.ProductName, ProductPrice, V.VendorName
FROM PRODUCT AS P
```

```
INNER JOIN VENDOR as V
ON P.venderID = V.VendorID
ORDER BY P.ProductID ASC;
```

1.9
```
SELECT P.ProductID, P.ProductName, ProductPrice, V.VendorName, C.CategoryName
FROM PRODUCT AS P
INNER JOIN VENDOR AS V
ON P.VendorID = V.VendorID
INNER JOIN CATEGORY AS C
ON P.categoryID = C.CategoryID
ORDER BY P.ProductID ASC;
```

1.10
```
SELECT P.ProductID, P.ProductName, P.ProductPrice
FROM PRODUCT AS P, Category AS C
WHERE P.CategoryID = C.CategoryID and CategoryName = 'Camping'
ORDER BY P.productID ASC;
```

1.11
```
SELECT P.ProudctID, P.ProductName, P.ProductPrice
FROM PRODUCT AS P, SOLDVIA AS SO, SALESTRANSACTION AS ST, STORE AS S
WHERE P.ProductID = SO.ProductID
AND SO.TID = ST.TID
AND ST.StoreID = S.StoreID
AND S.StoreZip = '60600'
ORDER BY P.ProductID ASC;
```

1.12
```
SELECT P.ProudctID, P.ProductName, P.ProductPrice
FROM PRODUCT AS P, SOLDVIA AS SO, SALESTRANSACTION AS ST, STORE AS S, REGION AS R,
VENDOR AS V
WHERE P.ProductID = SO.ProductID
AND SO.TID = ST.TID
AND ST.StoreID = S.StoreID
AND S.RegionID = R.RegionID
AND V.VendorName = 'Pacific Gear'
And R.RegionName = 'Tristate'
ORDER BY P.ProductID ASC;
```

1.13
```
SELECT ST.TID, C.CustomerName, ST.TDate
FROM SALESTRANSCATION AS ST, PRODUCT AS P, SOLDIVIA AS SO, CUSTOMER AS C
WHERE C.CustomerID = ST.CustomerID
AND ST.TID = SO.TID
AND SO.ProductID = P.ProductID
AND P.ProductID = 'Easy Boot';
```

1.14
```
SELECT R.RegionID, R.RegionName, COUNT(S.STOREID) = NUM_STORES
FROM Region AS R, Store As S
WHERE R.RegionID = S.RegionID;
```

1.15
```
SELECT C.CATEGORYID, C.CATEGORYNAME, AVG(P.PRODUCTPRICE) = AVG_PRICE
FROM CATEGORY AS C
JOIN PRODUCT AS P
ON C.CATEGORYID = P.CATEGORYID;
```

1.16
```
SELECT P.CATEGORYID, SUM(SO.NoOfItems) = NMBR_OF_ITEMS_PURCHASED_IN_CAT
FROM PRODUCT AS P, CATEGORY AS C
FROM PRODUCT AS P
JOIN SOLDVIA AS S
ON P.ProductID = S.ProductID;
```

1.17
```
SELECT R.RegionID, R.RegionName, SUM(P.Productprice*SO.NoOFItems) = Amount_Spend
FROM PRODUCT AS P, SOLDVIA AS SO, SALESTRANSCATION AS ST, STORE AS S, REGION AS R
WHERE P.ProductID= SO.ProductID
AND SO.TID = ST.TID
AND ST.StoreID = S.StoreID
AND S.RegiondID = R.RegionID;
```

1.18
```
SELECT SO.TID, sum(SO.NoOFItems)
FROM SOLDVIA AS SO
HAVING SUM(SO.NoOFItems) > 5;
```

1.19
```
SELECT V.vendorid, V.vendorname, (P.Productprice * SO.NoOFItems) = Total_Sales
FROM VENDOR AS V, SOLDVIA SO, PRODUCT AS P
WHERE Total_Sales > 700;
```

1.20
```
SELECT P.ProductID,P.ProductName, P.ProductPrice
FROM PRODUCT AS P
WHERE P.ProductPrice = (SELECT MIN(P.ProductPrice) FROM P);
```

1.21
```
SELECT P.ProductID, P.ProductName,V.VendorName
FROM PRODUCT AS P, VENDOR AS V
WHERE P.ProductPrice < (SELECT AVG(P.PRoductPrice) FROM P);
```

1.22
```
SELECT P.PRODUCTID, P.PRODUCTNAME
FROM PRODUCT AS P, SOLDVIA  AS SO
WHERE P.PRODUCTID = SO.PRODUCTID
GROUP BY PRODUCTID
HAVING SUM(NUMOFITEMS) > 2;
```

1.23
```
SELECT P.PRODUCTID
FROM SOLDVIA AS S, PRODUCT AS P
GROUP BY P.PRODUCTID
HAVING SUM(SO.NoOFItems) = (SELECT MAX(SUM(SO.NoOfItems))
```

1.24
```
SELECT P.ProductID, P.ProductName, P.ProductPrice
 FROM PRODUCT AS P, SOLDVIA AS SO
 WHERE P.ProductID = SO.ProductID
 GROUP BY SO.ProductID
 HAVING SUM(SO.NoOfItems)>3;
```

1.25
```
SELECT P.ProductID, P.ProductName, P.ProductPrice
 FROM Product AS P, SOLDVIA AS SO
 WHERE P.ProductID=SO.ProductID
 GROUP BY SO.ProductID
 HAVING COUNT(SO.TID)>1;
```