

```

--Jenet Baribeau
--CIS310-01
--A7
--26 Oct 2015

--1
SELECT *
FROM LGDEPARTMENT

--2
SELECT PROD_SKU, PROD_DESCRIPTOR, PROD_TYPE, PROD_BASE, PROD_CATEGORY, PROD_PRICE
FROM LGPRODUCT
WHERE PROD_BASE = 'WATER' AND
      PROD_CATEGORY = 'SEALER'

--3
SELECT EMP_FNAME, EMP_LNAME, EMP_EMAIL
FROM LGEMPLOYEE
WHERE EMP_HIREDATE BETWEEN '2001-JAN-01' AND '2010-DEC-31'

--4
SELECT EMP_FNAME, EMP_LNAME, EMP_PHONE, EMP_TITLE, DEPT_NUM
FROM LGEMPLOYEE
WHERE DEPT_NUM = '300' OR EMP_TITLE = 'CLERK I'
ORDER BY EMP_LNAME, EMP_FNAME

--5
SELECT DISTINCT E.EMP_NUM, E.EMP_LNAME, E.EMP_FNAME, SAL_FROM, SAL_END, SAL_AMOUNT
FROM LGEMPLOYEE E INNER JOIN LGSALARY_HISTORY S ON E.EMP_NUM = S.EMP_NUM
WHERE E.EMP_NUM IN ('83731', '83745', '84039')
ORDER BY E.EMP_NUM, SAL_FROM

--6
SELECT DISTINCT CUST_FNAME, CUST_LNAME, CUST_STREET,
                CUST_CITY, CUST_STATE, CUST_ZIP
FROM LGCUSTOMER C INNER JOIN LGINVOICE I ON C.CUST_CODE = I.CUST_CODE
      INNER JOIN LGLINE L ON I.INV_NUM = L.INV_NUM
      INNER JOIN LGPRODUCT P ON L.PROD_SKU = P.PROD_SKU
      INNER JOIN LGBRAND B ON P.BRAND_ID = B.BRAND_ID
WHERE INV_DATE BETWEEN '2013-JUL-15' AND '2013-DEC-31' AND
      BRAND_NAME = 'FORESTERS BEST'
ORDER BY CUST_STATE, CUST_LNAME, CUST_FNAME

--7
SELECT E.EMP_NUM, EMP_LNAME, EMP_EMAIL, EMP_TITLE, DEPT_NAME
FROM LGDEPARTMENT D INNER JOIN LGEMPLOYEE E ON D.DEPT_NUM = E.DEPT_NUM
WHERE EMP_TITLE LIKE '%ASSOCIATE'
ORDER BY DEPT_NAME, EMP_TITLE

--8
SELECT BRAND_NAME, COUNT(PROD_SKU) [NUM PRODUCT]
FROM LGBRAND B INNER JOIN LGPRODUCT P ON B.BRAND_ID = P.BRAND_ID
GROUP BY BRAND_NAME
ORDER BY BRAND_NAME

--9
SELECT PROD_CATEGORY, COUNT(PROD_BASE) [BASE WATER NUM_PROD]
FROM LGPRODUCT

```

```
GROUP BY PROD_CATEGORY
```

```
--10
```

```
SELECT PROD_BASE, PROD_TYPE, COUNT(PROD_SKU) [QTY OH]  
FROM LGPRODUCT  
GROUP BY PROD_BASE, PROD_TYPE
```

```
--11
```

```
SELECT P.BRAND_ID, SUM(PROD_QOH) [TOTAL INVENTORY]  
FROM LGPRODUCT P INNER JOIN LGBRAND B ON P.BRAND_ID = B.BRAND_ID  
GROUP BY P.BRAND_ID  
ORDER BY P.BRAND_ID DESC
```

```
--12
```

```
SELECT B.BRAND_ID, BRAND_NAME, ROUND(AVG(PROD_PRICE),2) [AVG PRICE]  
FROM LGBRAND B INNER JOIN LGPRODUCT P ON B.BRAND_ID = P.BRAND_ID  
GROUP BY BRAND_NAME, B.BRAND_ID  
ORDER BY BRAND_NAME
```

```
--13
```

```
SELECT DEPT_NUM, MAX(EMP_HIREDATE) [MOST RECENT]  
FROM LGEMPLOYEE  
GROUP BY DEPT_NUM
```

```
--14
```

```
SELECT E.EMP_NUM, EMP_FNAME, EMP_LNAME, MAX(SAL_AMOUNT) [LARGEST AMOUNT]  
FROM LGEMPLOYEE E INNER JOIN LGSALARY_HISTORY S ON E.EMP_NUM = S.EMP_NUM  
WHERE DEPT_NUM = '200'  
GROUP BY E.EMP_NUM, EMP_FNAME, EMP_LNAME  
ORDER BY [LARGEST AMOUNT] DESC
```

```
--15
```

```
SELECT C.CUST_CODE, CUST_FNAME, CUST_LNAME, SUM(INV_TOTAL) [INVOICE TOTALS]  
FROM LGCUSTOMER C INNER JOIN LGINVOICE I ON C.CUST_CODE = I.CUST_CODE  
GROUP BY C.CUST_CODE, CUST_FNAME, CUST_LNAME  
HAVING SUM(INV_TOTAL) >= 1500  
ORDER BY [INVOICE TOTALS] DESC
```

```
--16
```

```
SELECT D.DEPT_NUM, D.DEPT_NAME, D.DEPT_PHONE, E.EMP_NUM, E.EMP_LNAME  
FROM LGDEPARTMENT D INNER JOIN LGEMPLOYEE E ON D.DEPT_NUM = E.DEPT_NUM  
WHERE EMP_TITLE LIKE '%MANAGER%'  
ORDER BY DEPT_NAME
```

```
--17
```

```
SELECT V.VEND_ID, V.VEND_NAME, B.BRAND_NAME, COUNT(P.PROD_SKU) [NUM OF PRODUCTS]  
FROM LGVENDOR V INNER JOIN LGSUPPLIES S ON V.VEND_ID = S.VEND_ID  
            INNER JOIN LGPRODUCT P ON S.PROD_SKU = P.PROD_SKU  
            INNER JOIN LGBRAND B ON P.BRAND_ID = B.BRAND_ID  
GROUP BY V.VEND_ID, V.VEND_NAME, B.BRAND_NAME  
ORDER BY V.VEND_NAME, B.BRAND_NAME
```

```
--18
```

```
SELECT E.EMP_NUM, EMP_LNAME, EMP_FNAME, SUM(INV_TOTAL) [TOTAL INVOICES]  
FROM LGEMPLOYEE E INNER JOIN LGINVOICE I ON E.EMP_NUM = I.EMPLOYEE_ID  
GROUP BY E.EMP_NUM, EMP_LNAME, EMP_FNAME  
ORDER BY EMP_LNAME, EMP_FNAME
```

--19

```
SELECT AVG(PROD_PRICE) AS [LARGEST AVERAGE]
FROM LGPRODUCT P INNER JOIN LGBRAND B ON P.BRAND_ID = B.BRAND_ID
GROUP BY B.BRAND_ID
```

--20

```
SELECT B.BRAND_ID, B.BRAND_NAME, B.BRAND_TYPE, AVG(PROD_PRICE) [AVG PRICE]
FROM LGBRAND B INNER JOIN LGPRODUCT P ON B.BRAND_ID = P.BRAND_ID
WHERE PROD_PRICE > (SELECT AVG(PROD_PRICE) FROM LGPRODUCT)
GROUP BY B.BRAND_ID, B.BRAND_NAME, B.BRAND_TYPE
ORDER BY [AVG PRICE]
```

```
SELECT B.BRAND_ID, B.BRAND_NAME, B.BRAND_TYPE, T.AVGPRICE
FROM LGBRAND AS B INNER JOIN (SELECT BRAND_ID, CAST(ROUND(AVG(PROD_PRICE),2) AS MONEY) AS
AVGPRICE
    FROM LGPRODUCT
    GROUP BY BRAND_ID
    ) T
    ON B.BRAND_ID = T.BRAND_ID
WHERE T.AVGPRICE = (
    SELECT MAX(T.AVGPRICE) AS [LARGEST AVERAGE]
    FROM (SELECT CAST(ROUND(AVG(PROD_PRICE),2) AS MONEY) AS AVGPRICE
    FROM LGPRODUCT
    GROUP BY BRAND_ID
    )T
    )
SELECT MAX(AVGPRICE) FROM BRANDAVERAGE
```

--21

```
SELECT M.EMP_FNAME + ' ' + M.EMP_LNAME [MANAGER NAME], D.DEPT_NAME, D.DEPT_PHONE,
    E.EMP_FNAME + ' ' + E.EMP_LNAME [EMPLOYEE NAME], C.CUST_FNAME + ' ' +
C.CUST_LNAME [CUSTOMER NAME],
    I.INV_DATE, I.INV_TOTAL
FROM LGEMPLOYEE M INNER JOIN LGDEPARTMENT D ON M.EMP_NUM = D.EMP_NUM
    INNER JOIN LGEMPLOYEE E ON D.DEPT_NUM = E.DEPT_NUM
    INNER JOIN LGINVOICE I ON E.EMP_NUM = I.EMPLOYEE_ID
    INNER JOIN LGCUSTOMER C ON C.CUST_CODE = I.CUST_CODE
WHERE C.CUST_LNAME = 'HAGAN' AND I.INV_DATE = '2013-MAY-18'
```