**TASK 2**

**Queries:**

CREATE TABLE Q1999 (

Department VARCHAR(50),

Type VARCHAR(40),

TurnOver BIGINT

);

INSERT INTO Q1999(Department,Type,TurnOver)

SELECT i.department\_desc, st.type\_desc, SUM(cle\_sls\_dlr)

FROM sales sa,item i,store st,time t

WHERE sa.item\_key=i.item\_key

AND sa.store\_key=st.store\_key

AND t.cur\_trn\_date=sa.cur\_trn\_date

AND t.year\_key=1999

GROUP BY i.department\_desc,st.type\_desc;

CREATE TABLE Q2000 (

Department VARCHAR(50),

Type VARCHAR(40),

TurnOver BIGINT

);

INSERT INTO Q2000(Department,Type,TurnOver)

SELECT i.department\_desc, st.type\_desc, SUM(cle\_sls\_dlr)

FROM sales sa,item i,store st,time t

WHERE sa.item\_key=i.item\_key

AND sa.store\_key=st.store\_key

AND t.cur\_trn\_date=sa.cur\_trn\_date

AND t.year\_key=2000

GROUP BY i.department\_desc,st.type\_desc;

CREATE TABLE Q2001 (

Department VARCHAR(50),

Type VARCHAR(40),

TurnOver BIGINT

);

INSERT INTO Q2001(Department,Type,TurnOver)

SELECT i.department\_desc, st.type\_desc, SUM(cle\_sls\_dlr)

FROM sales sa,item i,store st,time t

WHERE sa.item\_key=i.item\_key

AND sa.store\_key=st.store\_key

AND t.cur\_trn\_date=sa.cur\_trn\_date

AND t.year\_key=2001

GROUP BY i.department\_desc,st.type\_desc;

CREATE TABLE Task2\_TurnOver(

Department VARCHAR(50),

Type VARCHAR(40),

TurnOver1999 BIGINT,

TurnOver2000 BIGINT,

TurnOver2001 BIGINT,

Inc1999to2000 DECIMAL,

Inc2000to2001 DECIMAL

);

INSERT INTO Task2\_TurnOver(Department,Type,TurnOver1999,TurnOver2000,TurnOver2001,Inc1999to2000,Inc2000to2001)

SELECT Q1999.Department,Q1999.Type,Q1999.TurnOver,Q2000.TurnOver,Q2001.TurnOver,

100\*(Q2000.TurnOver-Q1999.TurnOver)/Q1999.TurnOver,100\*(Q2001.TurnOver-Q2000.TurnOver)/Q2000.TurnOver

FROM Q1999,Q2000,Q2001

WHERE Q1999.Type=Q2000.Type

AND Q1999.Department=Q2000.Department

AND Q2000.Type=Q2001.Type

AND Q2000.Department=Q2001.Department;

SELECT \* FROM Task2\_TurnOver

**TASK 3**

**QUERY**

SELECT i.item\_desc,st.manager,sum(tot\_sls\_qty) as No\_Of\_Sold\_Items,RANK() OVER (PARTITION BY st.manager ORDER BY sum(tot\_sls\_qty) DESC) as Rank

FROM sales sa,item i,store st

WHERE sa.store\_key=st.store\_key

AND sa.item\_key=i.item\_key

GROUP BY i.item\_desc,st.manager

**TASK 4**

**QUERIES (Not completed, have to get moving AVG with row number)**

CREATE TABLE QDate (

DATE\_DESC VARCHAR(20),

DIVISION\_DESC VARCHAR(30),

SUM\_TOT\_SLS\_QTY BIGINT

);

INSERT INTO QDate(DATE\_DESC,DIVISION\_DESC,SUM\_TOT\_SLS\_QTY)

SELECT t.date\_desc,i.division\_desc,SUM(sa.tot\_sls\_qty)

FROM sales sa,item i,time t

WHERE sa.CUR\_TRN\_DATE=t.CUR\_TRN\_DATE

AND sa.item\_key=i.item\_key

GROUP BY t.date\_desc,i.division\_desc

SELECT t.year\_desc,q.date\_desc,q.division\_desc,q.sum\_tot\_sls\_qty

FROM QDate q,time t

WHERE q.date\_desc=t.date\_desc

ORDER BY t.year\_key,q.division\_desc,t.month\_key,t.week\_key,t.date\_desc

SELECT t.year\_desc,q.division\_desc,AVG(q.sum\_tot\_sls\_qty)

FROM time t,QDate q

WHERE q.date\_desc=t.date\_desc

GROUP BY t.year\_desc,q.division\_desc