GO\_BLOCK('DASHBOARD');

------------R1 Show total sales amount of today

-----sales amount of the day

SELECT SUM(ORD\_AMOUNT)

INTO :DASHBOARD.MD\_D\_SALES

FROM ORDERS

WHERE TO\_CHAR(ORD\_DATE, 'DD/MM/YYYY') = TO\_CHAR(SYSDATE, 'DD/MM/YYYY');

-----sales amount of the month

SELECT SUM(ORD\_AMOUNT)

INTO :DASHBOARD.MD\_M\_SALES

FROM ORDERS

WHERE TO\_CHAR(ORD\_DATE, 'MM') = TO\_CHAR(SYSDATE, 'MM');

-------------R2 Show sales order of today (And be able to view detail of each sales order)

DECLARE

ordercount number (3);

i NUMBER (3);

Begin

SELECT COUNT(ORD\_ID)

INTO ordercount

FROM ORDERS;

i:= 1;

GO\_BLOCK('SALES\_ORDER\_OF\_THE\_DAY');

FIRST\_RECORD;

FOR i IN 1..ordercount

LOOP

SELECT ORDID, CUSID

INTO :SALES\_ORDER\_OF\_THE\_DAY.ORD\_ID, :SALES\_ORDER\_OF\_THE\_DAY.CUS\_ID

FROM (SELECT ORDERS.ORD\_ID ORDID, CUSTOMER.CUS\_ID CUSID, ROWNUM RN

FROM ORDERS, CUSTOMER

WHERE TO\_CHAR(ORD\_DATE, 'DD/MM/YYYY') = TO\_CHAR('16/11/2017')

AND ORDERS.CUS\_ID = CUSTOMER.CUS\_ID)

WHERE RN = i;

NEXT\_RECORD;

END LOOP;

FIRST\_RECORD;

GO\_BLOCK('SALES\_ORDER\_OF\_THE\_DAY');

END;

----------(then group data from SALES\_LINE according to O\_ID)

-----------R3 Show 5 most popular products and each of the product sales (in terms of quantity)

DECLARE

i NUMBER(3);

BEGIN

i:= 1;

GO\_BLOCK('MOST\_POPULAR\_PRODUCT\_LIST');

FIRST\_RECORD;

FOR i IN 1..5

LOOP

SELECT PID, PNAME, TOTAL\_SALES

INTO

:MOST\_POPULAR\_PRODUCT\_LIST.PROD\_ID,

:MOST\_POPULAR\_PRODUCT\_LIST.PROD\_NAME,

:MOST\_POPULAR\_PRODUCT\_LIST.ORDL\_QUANTITY

FROM (

SELECT ORDERS\_LINE.PROD\_ID PID, PROD\_NAME PNAME, SUM(ORDL\_QUANTITY) TOTAL\_SALES, ROWNUM RN

FROM ORDERS\_LINE, PRODUCT

WHERE ORDERS\_LINE.PROD\_ID = PRODUCT.PROD\_ID

GROUP BY ORDERS\_LINE.PROD\_ID, PROD\_NAME, ROWNUM

ORDER BY TOTAL\_SALES DESC

)

WHERE RN = i;

NEXT\_RECORD;

END LOOP;

FIRST\_RECORD;

GO\_BLOCK('DASHBOARD');

END;

----------------R4 Show the top 5 customers and their individual sales amounts

DECLARE

i NUMBER(1);

BEGIN

i:= 1;

GO\_BLOCK('HIGHEST\_SPENDING\_CUSTOMER');

FIRST\_RECORD;

FOR i IN 1..5

LOOP

SELECT CID, FNAME, LNAME, EMAIL, SALES\_AMOUNT

INTO :HIGHEST\_SPENDING\_CUSTOMER.CUS\_ID,

:HIGHEST\_SPENDING\_CUSTOMER.CUS\_FNAME,

:HIGHEST\_SPENDING\_CUSTOMER.CUS\_LNAME,

:HIGHEST\_SPENDING\_CUSTOMER.CUS\_EMAIL,

:HIGHEST\_SPENDING\_CUSTOMER.CUS\_SPENDING

FROM (

SELECT CUSTOMER.CUS\_ID CID,

CUS\_FNAME FNAME,

CUS\_LNAME LNAME,

CUS\_EMAIL EMAIL,

SUM(ORD\_AMOUNT) SALES\_AMOUNT,

ROWNUM RN

FROM CUSTOMER, ORDERS

WHERE CUSTOMER.CUS\_ID = ORDERS.CUS\_ID

GROUP BY CUSTOMER.CUS\_ID , CUS\_FNAME, CUS\_LNAME, CUS\_EMAIL, ROWNUM

ORDER BY SALES\_AMOUNT DESC

)

WHERE RN = i;

NEXT\_RECORD;

END LOOP;

FIRST\_RECORD;

GO\_BLOCK('DASHBOARD');

END;

---------R5 Show sales of the particular product, in terms of quantity sold

DECLARE

LOVReturnValue BOOLEAN;

BEGIN

LOVReturnValue :=show\_LOV('DASHBOARD\_PRODUCTSALES');

END;

SELECT SUM(ORDERS\_LINE.ORDL\_QUANTITY)

INTO :DASHBOARD.MD\_SHOW\_SALES

FROM ORDERS\_LINE

WHERE ORDERS\_LINE.PROD\_ID = :DASHBOARD.MD\_PRODUCT\_ID;

IF :MD\_SHOW\_SALES IS NULL

THEN :MD\_SHOW\_SALES:= '0';

END IF;

-----------R6 Show the number of orders for different status

GO\_BLOCK('DASHBOARD');

SELECT COUNT(ORD\_STATUS)

INTO :MD\_PENDING

FROM ORDERS

WHERE ORD\_STATUS = 'Pending Shipment';

SELECT COUNT(ORD\_STATUS)

INTO :MD\_SHIPPED

FROM ORDERS

WHERE ORD\_STATUS = 'Shipped';

SELECT COUNT(ORD\_STATUS)

INTO :MD\_DELIVERED

FROM ORDERS

WHERE ORD\_STATUS = 'Delivered';

SELECT COUNT(ORD\_STATUS)

INTO :MD\_RETURNED

FROM ORDERS

WHERE ORD\_STATUS = 'Returned';

----------R7 Show stock-out products

SELECT PROD\_ID, PROD\_NAME, PROD\_PRICE

INTO :STOCKOUT\_PRODUCT.PROD\_ID, :STOCKOUT\_PRODUCT.PROD\_NAME, :STOCKOUT\_PRODUCT.PROD\_PRICE

FROM PRODUCT

WHERE PROD\_QUANTITY = 0;

**17/11**

GO\_BLOCK('DASHBOARD');

------------R1 Show total sales amount of today

-----sales amount of the day

Begin

SELECT SUM(ORD\_AMOUNT)

INTO :DASHBOARD.MD\_D\_SALES

FROM ORDERS

WHERE TO\_CHAR(ORD\_DATE, 'DD/MM/YYYY') = TO\_CHAR(SYSDATE, 'DD/MM/YYYY');

-----sales amount of the month

SELECT SUM(ORD\_AMOUNT)

INTO :DASHBOARD.MD\_M\_SALES

FROM ORDERS

WHERE TO\_CHAR(ORD\_DATE, 'MM') = TO\_CHAR(SYSDATE, 'MM');

End;

-------------R2 Show sales order of today (And be able to view detail of each sales

DECLARE

ordercount number (3);

i NUMBER (3);

CR\_ORD NUMBER(16);

Begin

GO\_BLOCK('SALES\_ORDER\_OF\_THE\_DAY');

SELECT COUNT(ORDID)

INTO ordercount

FROM (SELECT ORDERS.ORD\_ID ORDID, CUSTOMER.CUS\_ID CUSID, ROWNUM RN

FROM ORDERS, CUSTOMER

WHERE TO\_CHAR(ORD\_DATE, 'DD/MM/YYYY') = TO\_CHAR('16/11/2017')

AND ORDERS.CUS\_ID = CUSTOMER.CUS\_ID);

i:= 1;

GO\_BLOCK('SALES\_ORDER\_OF\_THE\_DAY');

FIRST\_RECORD;

FOR i IN 1..ordercount

LOOP

SELECT ORDID,ORDID,CUSID

INTO CR\_ORD,:SALES\_ORDER\_OF\_THE\_DAY.ORD\_ID, :SALES\_ORDER\_OF\_THE\_DAY.CUS\_ID

FROM (SELECT ORDERS.ORD\_ID ORDID, CUSTOMER.CUS\_ID CUSID, ROWNUM RN

FROM ORDERS, CUSTOMER

WHERE TO\_CHAR(ORD\_DATE, 'DD/MM/YYYY') = TO\_CHAR('16/11/2017')

AND ORDERS.CUS\_ID = CUSTOMER.CUS\_ID)

WHERE RN = i;

NEXT\_RECORD;

END LOOP;

FIRST\_RECORD;

GO\_BLOCK('SALES\_ORDER\_OF\_THE\_DAY');

END;

----------(then group data from SALES\_LINE according to O\_ID)

-----------R3 Show 5 most popular products and each of the product sales (in terms of quantity)

DECLARE

i NUMBER(3);

BEGIN

i:= 1;

GO\_BLOCK('MOST\_POPULAR\_PRODUCT\_LIST');

FIRST\_RECORD;

FOR i IN 1..5

LOOP

SELECT PID, PNAME, TOTAL\_SALES

INTO

:MOST\_POPULAR\_PRODUCT\_LIST.PROD\_ID,

:MOST\_POPULAR\_PRODUCT\_LIST.PROD\_NAME,

:MOST\_POPULAR\_PRODUCT\_LIST.ORDL\_QUANTITY

FROM (

SELECT ORDERS\_LINE.PROD\_ID PID, PROD\_NAME PNAME, SUM(ORDL\_QUANTITY) TOTAL\_SALES, ROWNUM RN

FROM ORDERS\_LINE, PRODUCT

WHERE ORDERS\_LINE.PROD\_ID = PRODUCT.PROD\_ID

GROUP BY ORDERS\_LINE.PROD\_ID, PROD\_NAME, ROWNUM

ORDER BY TOTAL\_SALES DESC

)

WHERE RN = i;

NEXT\_RECORD;

END LOOP;

FIRST\_RECORD;

GO\_BLOCK('DASHBOARD');

END;

----------------R4 Show the top 5 customers and their individual sales amounts

DECLARE

i NUMBER(1);

BEGIN

i:= 1;

GO\_BLOCK('HIGHEST\_SPENDING\_CUSTOMER');

FIRST\_RECORD;

FOR i IN 1..5

LOOP

SELECT CID, FNAME, LNAME, EMAIL, SALES\_AMOUNT

INTO :HIGHEST\_SPENDING\_CUSTOMER.CUS\_ID,

:HIGHEST\_SPENDING\_CUSTOMER.CUS\_FNAME,

:HIGHEST\_SPENDING\_CUSTOMER.CUS\_LNAME,

:HIGHEST\_SPENDING\_CUSTOMER.CUS\_EMAIL,

:HIGHEST\_SPENDING\_CUSTOMER.CUS\_SPENDING

FROM (

SELECT CUSTOMER.CUS\_ID CID,

CUS\_FNAME FNAME,

CUS\_LNAME LNAME,

CUS\_EMAIL EMAIL,

SUM(ORD\_AMOUNT) SALES\_AMOUNT,

ROWNUM RN

FROM CUSTOMER, ORDERS

WHERE CUSTOMER.CUS\_ID = ORDERS.CUS\_ID

GROUP BY CUSTOMER.CUS\_ID , CUS\_FNAME, CUS\_LNAME, CUS\_EMAIL, ROWNUM

ORDER BY SALES\_AMOUNT DESC

)

WHERE RN = i;

NEXT\_RECORD;

END LOOP;

FIRST\_RECORD;

GO\_BLOCK('DASHBOARD');

END;

-----------R6 Show the number of orders for different status

BEGIN

GO\_BLOCK('DASHBOARD');

SELECT COUNT(ORD\_STATUS)

INTO :MD\_PENDING

FROM ORDERS

WHERE ORD\_STATUS = 'Pending Shipment';

SELECT COUNT(ORD\_STATUS)

INTO :MD\_SHIPPED

FROM ORDERS

WHERE ORD\_STATUS = 'Shipped';

SELECT COUNT(ORD\_STATUS)

INTO :MD\_DELIVERED

FROM ORDERS

WHERE ORD\_STATUS = 'Delivered';

SELECT COUNT(ORD\_STATUS)

INTO :MD\_RETURNED

FROM ORDERS

WHERE ORD\_STATUS = 'Returned';

END;

----------R7 Show stock-out products

BEGIN

SELECT PROD\_ID, PROD\_NAME, PROD\_PRICE

INTO :STOCKOUT\_PRODUCT.PROD\_ID, :STOCKOUT\_PRODUCT.PROD\_NAME, :STOCKOUT\_PRODUCT.PROD\_PRICE

FROM PRODUCT

WHERE PROD\_QUANTITY = 0;

END;

GO\_BLOCK('DASHBOARD');

**--R6 insert to the choose**

**DECLARE**

**LOVReturnValue BOOLEAN;**

**BEGIN**

**LOVReturnValue :=show\_LOV('DASHBOARD\_PRODUCTSALES');**

**END;**

**SELECT SUM(ORDERS\_LINE.ORDL\_QUANTITY)**

**INTO :DASHBOARD.MD\_SHOW\_SALES**

**FROM ORDERS\_LINE**

**WHERE ORDERS\_LINE.PROD\_ID = :DASHBOARD.MD\_PRODUCT\_ID;**

**IF :MD\_SHOW\_SALES IS NULL**

**THEN :MD\_SHOW\_SALES:= '0';**

**END IF;**

**GO\_BLOCK('DASHBOARD');**

**------------R1 Show total sales amount of today**

**-----sales amount of the day**

**Begin**

**SELECT SUM(ORD\_AMOUNT)**

**INTO :DASHBOARD.MD\_D\_SALES**

**FROM ORDERS**

**WHERE TO\_CHAR(ORD\_DATE, 'DD/MM/YYYY') = TO\_CHAR(SYSDATE, 'DD/MM/YYYY');**

**-----sales amount of the month**

**SELECT SUM(ORD\_AMOUNT)**

**INTO :DASHBOARD.MD\_M\_SALES**

**FROM ORDERS**

**WHERE TO\_CHAR(ORD\_DATE, 'MM') = TO\_CHAR(SYSDATE, 'MM');**

**End;**

**-------------R2 Show sales order of today (And be able to view detail of each sales**

**DECLARE**

**ordercount number (3);**

**i NUMBER (3);**

**CR\_ORD NUMBER(16);**

**Begin**

**GO\_BLOCK('SALES\_ORDER\_OF\_THE\_DAY');**

**SELECT COUNT(ORDID)**

**INTO ordercount**

**FROM (SELECT ORDERS.ORD\_ID ORDID, CUSTOMER.CUS\_ID CUSID, ROWNUM RN**

**FROM ORDERS, CUSTOMER**

**WHERE TO\_CHAR(ORD\_DATE, 'DD/MM/YYYY') = TO\_CHAR('16/11/2017')**

**AND ORDERS.CUS\_ID = CUSTOMER.CUS\_ID);**

**i:= 1;**

**GO\_BLOCK('SALES\_ORDER\_OF\_THE\_DAY');**

**FIRST\_RECORD;**

**FOR i IN 1..ordercount**

**LOOP**

**SELECT ORDID,ORDID,CUSID**

**INTO CR\_ORD,:SALES\_ORDER\_OF\_THE\_DAY.ORD\_ID, :SALES\_ORDER\_OF\_THE\_DAY.CUS\_ID**

**FROM (SELECT ORDERS.ORD\_ID ORDID, CUSTOMER.CUS\_ID CUSID, ROWNUM RN**

**FROM ORDERS, CUSTOMER**

**WHERE TO\_CHAR(ORD\_DATE, 'DD/MM/YYYY') = TO\_CHAR('16/11/2017')**

**AND ORDERS.CUS\_ID = CUSTOMER.CUS\_ID)**

**WHERE RN = i;**

**NEXT\_RECORD;**

**END LOOP;**

**FIRST\_RECORD;**

**GO\_BLOCK('SALES\_ORDER\_OF\_THE\_DAY');**

**END;**

**----------(then group data from SALES\_LINE according to O\_ID)**

**-----------R3 Show 5 most popular products and each of the product sales (in terms of quantity)**

**DECLARE**

**i NUMBER(3);**

**BEGIN**

**i:= 1;**

**GO\_BLOCK('MOST\_POPULAR\_PRODUCT\_LIST');**

**FIRST\_RECORD;**

**FOR i IN 1..5**

**LOOP**

**SELECT PID, PNAME, TOTAL\_SALES**

**INTO**

**:MOST\_POPULAR\_PRODUCT\_LIST.PROD\_ID,**

**:MOST\_POPULAR\_PRODUCT\_LIST.PROD\_NAME,**

**:MOST\_POPULAR\_PRODUCT\_LIST.ORDL\_QUANTITY**

**FROM (**

**SELECT ORDERS\_LINE.PROD\_ID PID, PROD\_NAME PNAME, SUM(ORDL\_QUANTITY) TOTAL\_SALES, ROWNUM RN**

**FROM ORDERS\_LINE, PRODUCT**

**WHERE ORDERS\_LINE.PROD\_ID = PRODUCT.PROD\_ID**

**GROUP BY ORDERS\_LINE.PROD\_ID, PROD\_NAME, ROWNUM**

**ORDER BY TOTAL\_SALES DESC**

**)**

**WHERE RN = i;**

**NEXT\_RECORD;**

**END LOOP;**

**FIRST\_RECORD;**

**GO\_BLOCK('DASHBOARD');**

**END;**

**----------------R4 Show the top 5 customers and their individual sales amounts**

**DECLARE**

**i NUMBER(1);**

**BEGIN**

**i:= 1;**

**GO\_BLOCK('HIGHEST\_SPENDING\_CUSTOMER');**

**FIRST\_RECORD;**

**FOR i IN 1..5**

**LOOP**

**SELECT CID, FNAME, LNAME, EMAIL, SALES\_AMOUNT**

**INTO :HIGHEST\_SPENDING\_CUSTOMER.CUS\_ID,**

**:HIGHEST\_SPENDING\_CUSTOMER.CUS\_FNAME,**

**:HIGHEST\_SPENDING\_CUSTOMER.CUS\_LNAME,**

**:HIGHEST\_SPENDING\_CUSTOMER.CUS\_EMAIL,**

**:HIGHEST\_SPENDING\_CUSTOMER.CUS\_SPENDING**

**FROM (**

**SELECT CUSTOMER.CUS\_ID CID,**

**CUS\_FNAME FNAME,**

**CUS\_LNAME LNAME,**

**CUS\_EMAIL EMAIL,**

**SUM(ORD\_AMOUNT) SALES\_AMOUNT,**

**ROWNUM RN**

**FROM CUSTOMER, ORDERS**

**WHERE CUSTOMER.CUS\_ID = ORDERS.CUS\_ID**

**GROUP BY CUSTOMER.CUS\_ID , CUS\_FNAME, CUS\_LNAME, CUS\_EMAIL, ROWNUM**

**ORDER BY SALES\_AMOUNT DESC**

**)**

**WHERE RN = i;**

**NEXT\_RECORD;**

**END LOOP;**

**FIRST\_RECORD;**

**GO\_BLOCK('DASHBOARD');**

**END;**

**-----------R6 Show the number of orders for different status**

**BEGIN**

**GO\_BLOCK('DASHBOARD');**

**SELECT COUNT(ORD\_STATUS)**

**INTO :MD\_PENDING**

**FROM ORDERS**

**WHERE ORD\_STATUS = 'Pending Shipment';**

**SELECT COUNT(ORD\_STATUS)**

**INTO :MD\_SHIPPED**

**FROM ORDERS**

**WHERE ORD\_STATUS = 'Shipped';**

**SELECT COUNT(ORD\_STATUS)**

**INTO :MD\_DELIVERED**

**FROM ORDERS**

**WHERE ORD\_STATUS = 'Delivered';**

**SELECT COUNT(ORD\_STATUS)**

**INTO :MD\_RETURNED**

**FROM ORDERS**

**WHERE ORD\_STATUS = 'Returned';**

**END;**

**----------R7 Show stock-out products**

**DECLARE**

**STOCK\_OUT\_COUNT NUMBER(3);**

**i number (3);**

**BEGIN**

**SELECT COUNT(PROD\_ID)**

**INTO STOCK\_OUT\_COUNT**

**FROM PRODUCT**

**WHERE PROD\_QUANTITY = 0;**

**GO\_BLOCK('STOCKOUT\_PRODUCT');**

**FIRST\_RECORD;**

**FOR i IN 1..STOCK\_OUT\_COUNT**

**LOOP**

**SELECT PROD\_ID, PROD\_NAME, PROD\_PRICE**

**INTO :STOCKOUT\_PRODUCT.PROD\_ID, :STOCKOUT\_PRODUCT.PROD\_NAME, :STOCKOUT\_PRODUCT.PROD\_PRICE**

**FROM (SELECT PROD\_ID, PROD\_NAME, PROD\_PRICE, ROWNUM RN**

**FROM PRODUCT**

**WHERE PROD\_QUANTITY = 0)**

**WHERE RN = i;**

**NEXT\_RECORD;**

**END LOOP;**

**END;**