GO\_BLOCK('DASHBOARD');

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

-----sales amount of the day

BEGIN

:DASHBOARD.MD\_RETRIEVE\_DATE := SYSDATE;

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');

IF :DASHBOARD.MD\_D\_SALES IS NULL THEN

:DASHBOARD.MD\_D\_SALES := 0;

END IF;

-----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');

IF :DASHBOARD.MD\_M\_SALES IS NULL THEN

:DASHBOARD.MD\_M\_SALES := 0;

END IF;

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(SYSDATE, 'DD/MM/YYYY')

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(SYSDATE, 'DD/MM/YYYY')

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 PID, PNAME,TOTAL\_SALES, ROWNUM RN

FROM

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

FROM ORDERS\_LINE, PRODUCT

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

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

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 DISTINCT CUS\_ID CID,

CUS\_FNAME FNAME,

CUS\_LNAME LNAME,

CUS\_EMAIL EMAIL,

SALES\_AMOUNT,

ROWNUM RN

FROM

(SELECT CUSTOMER.CUS\_ID,

CUS\_FNAME,

CUS\_LNAME,

CUS\_EMAIL,

SUM(ORD\_AMOUNT) SALES\_AMOUNT

FROM CUSTOMER, ORDERS

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

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

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' or

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;

---------------------R5 Show Sales of a particular product

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;