

--LG11 View1

```
create or replace view find_total
AS
select c.cid, custname, custsurname, sum(quantity) "#of items bought"
from cust c, receipt r, receipt_details rd
where c.CID = r.cid and r.rid = rd.rid
group by c.cid, custname, custsurname;

select *
from find_total;
```

--LG11 View2

```
create or replace view product_report
AS
select p.pid, pname, sum(quantity) "#ofSold"
from product p, receipt r, receipt_details rd
where rd.pid = p.pid and r.rid = rd.rid
group by p.pid, pname
order by p.pid, pname;

select *
from product_report;
```

--LG11 Function

```
create or replace function market_coupon
RETURN NUMBER
IS
    CURSOR market_cursor IS
        select c.cid, custname, custsurname, sum(total) TotalAmount
        from cust c, receipt r
        where c.CID = r.cid
        group by c.cid, custname, custsurname;

    m_rec market_cursor%ROWTYPE;
    coupon number(6,2);
    noOfCoupons number(3) := 0;
BEGIN
    FOR m_rec IN market_cursor LOOP
        CASE
            WHEN m_rec.totalamount >= 300 THEN
                coupon := m_rec.totalamount * 0.20;
                noOfCoupons := noOfCoupons+1;

            WHEN m_rec.totalamount >= 200 THEN
                coupon := m_rec.totalamount * 0.10;
                noOfCoupons := noOfCoupons+1;

            WHEN m_rec.totalamount >= 100 THEN
                coupon := m_rec.totalamount * 0.05;
                noOfCoupons := noOfCoupons+1;

            ELSE
                coupon := 0;

            END CASE;

        DBMS_OUTPUT.PUT_LINE(m_rec.cid||' '||m_rec.custname||' '||m_rec.custsurname||': your total shopping
amount is: '||m_rec.totalamount);

        --you may display a new line using CHR(10) in DBMS_OUTPUT.PUT_LINE function
        IF coupon = 0 THEN
            DBMS_OUTPUT.PUT_LINE('Your total shopping amount is < 100, sorry!'||CHR(10));
        ELSE
            DBMS_OUTPUT.PUT_LINE('YOU WON '||coupon||' TL MARKET COUPON :)'||CHR(10));
        END IF;
    END LOOP;

    RETURN noOfCoupons;
END;
/

SET SERVEROUTPUT ON;
BEGIN
    DBMS_OUTPUT.PUT_LINE('Total number of coupons: '||market_coupon());
END;
/
```