**Homework view**

1. create view v\_category as

select \* from category;

1. create view v\_report\_product as

select pro.pid, pro.pname, pro.quantity, pro.unitprice,

concat('$ ', pro.unitprice \* pro.quantity) as Subtitle, cat.catname, sto.storename

from product pro left join store sto on pro.storeid = sto.storeid

left join category cat on pro.catid = cat.catid;

1. create view v\_info\_manager as

select emp.id as "Manager ID",

concat(emp.firstname, " ", emp.lastname) as "Manager Name",

dep.departmentname as "Department",

sto.storename as "Store Name",

loc.locationname as "Location"

from employee emp

inner join tbldepartment dep

on dep.departmentid = emp.departmentid

inner join location loc

on emp.id = loc.managerid

inner join store sto

on loc.locationid = sto.locationid

1. create view m\_product\_summarization as

select cat.catname as "Category Name", count(pro.catid) as "Number of Product",

sum(pro.quantity) as "Total Quanlity",

concat('$ ', sum(pro.quantity \* pro.unitprice)) as "Sub Total",

min(pro.quantity) as "Minimun Quanlity",

max(pro.quantity) as "Maximun Quanlity",

CAST(avg(pro.quantity) as int) as "Average Quanlity",

concat('$ ', sum(pro.unitprice)) as "Total Cost"

from category cat inner join product pro

on pro.catid = cat.catid group by cat.catid;

1. create view v\_sales\_2009 as

select sal.salesid as "Sale ID",

pro.pname as "Product Name",

sal.quantity as "Sold Quanlity",

concat('$ ', pro.unitprice) as "Unitprice Price",

concat('$ ', pro.unitprice \* sal.quantity) as "Sub Total",

sal.seller as "Saler Name"

from sales sal

inner join product pro

on sal.pid = pro.pid

and sal.salesdate between '2009/01/01' and '2009/12/31'

group by sal.salesid;

1. create view v\_sales\_2009\_to\_2010 as

select sal.seller as "Saller Name",

min(sal.quantity) as "Minimun Quanlity",

max(sal.quantity) as "Maximun Quanlity",

sum(sal.quantity) as "Total Quanlity",

concat('$ ', sum(pro.unitprice \* sal.quantity)) as "Total Amount"

from sales sal

inner join product pro

on pro.pid = sal.pid

and sal.salesdate between '2009/01/01' and '2010/12/31'

group by sal.seller;

1. create view v\_reportByYear as

select

distinct year(sal.salesdate) as "Year",

concat('$ ', format(min(sal.quantity \* pro.unitprice),3)) as "Minimum Sale",

concat ('$ ' , format(max(sal.quantity \* pro.unitprice),3)) as "Maximum Sale",

concat('$ ', format(avg(sal.quantity \* pro.unitprice),3)) as "Average Sale",

concat('$ ', format(sum(sal.quantity \* pro.unitprice),3)) as "Total Sale"

from sales sal inner join product pro

on sal.pid = pro.pid

group by year(sal.salesdate);