**1.**

**select** product.productgroup,productid,profit **from** product **join**

(**select** productgroup,**sum**(profit)\*0.8 **as** Target **from** test.product **group** **by** productgroup) A

**on** product.productgroup = A.productgroup **where** product.profit >= A.Target;

2.

**select** **count**(O.orderid) **as** Order\_count,**count**(O.productid) **as** Product\_count

**from** orders O **join** container C

**on** O.productid = C.productid **where** C.containerflag = 'Y' **group** **by** O.orderid

**having** **count**(O.orderid) = 1 **and** **count**(O.shipmentid) = 1;

3.

**select** group\_concat(O.productid ),O.orderday **from** orders O **group** **by** O.orderday **limit** 20;

4.

**select** productid,**count**(orderid) **from** orders **group** **by** orderid **having** **count**(orderid) = 1;

5.

**select** productgroup,productid,**max**(sales)

**from** prodinfo **where** successflag <> 'Y' **group** **by** productgroup **limit** 10;

6.

**select** productid,**sum**(successflag <> 'Y') **as** failed,

**case**

**when** (sales/units) **between** 0 **and** 100 **then** '0-100'

**when** (sales/units) **between** 100 **and** 200 **then** '100-200'

**when** (sales/units) **between** 200 **and** 500 **then** '200-500'

**when** (sales/units) **between** 500 **and** 1000 **then** '500-1000'

**else** '1000+'

**end** sp

**from** test.prodinfo **group** **by** 1 **order** **by** sp