**HOMEWORK CREATE TRIGGER**

**1.** **Create a trigger to record some information after a user inserts a new category. These information should**

**include username, current time, command name and the new row id.**

**CREATE** **table** insertTableCat(

id **int**(11) **AUTO\_INCREMENT** **primary** **key**,

username **varchar**(50),

catName **varchar**(50),

**action** **varchar**(50),

**date** **TIMESTAMP**

)

DELIMITER //

**CREATE** **trigger** After\_insert **after** **insert** **on** category **for** **each** **row**

**BEGIN**

**INSERT** **INTO** insertTableCat(username,catName,**action**,**date**) **values**(**CURRENT\_USER**(),**new**.catname,"Insert",**curdate**());

**END /**/

2. Create a trigger to back up the category before a user delete it from table “category”.

**CREATE** **table** beforDelete(

id **int**(11) **AUTO\_INCREMENT** **primary** **key**,

catName **varchar**(50),

**action** **varchar**(50),

**date** **TIMESTAMP**

)

DELIMITER //

**CREATE** **trigger** befor\_delete **before** **delete** **on** category **for** **each** **row**

**BEGIN**

**INSERT** **INTO** beforDelete(catName,**action**,**date**) **values**(**old**.catname,"delete",**curdate**());

**END /**/

3. Create a trigger to back up the product before a user updates it in table “product”.

**CREATE** **table** beforupdate(

id **int**(11) **AUTO\_INCREMENT** **primary** **key**,

proName **varchar**(50),

supplier **varchar**(50),

unitprice **int**(11),

quantity **int**(11),

**action** **varchar**(50),

**date** **TIMESTAMP**

)

DELIMITER //

**CREATE** **trigger** before\_update **before** **update** **on** product **for** **each** **row**

**BEGIN**

**INSERT** **INTO** beforupdate(proName,supplier,unitprice,quantity,**action**,**date**) **values**(**old**.pname,**old**.supplier,**old**.unitprice,**old**.quantity,"update",**curdate**());

**END /**/

4. Create a table “seller\_report” that contains two column, the seller name and cross sale for each seller

then populate data into that table.

**CREATE** **table** seller\_report(

id **int**(11) **AUTO\_INCREMENT** **primary** **key** ,

sellName **varchar**(50),

crosSale **int**(11)

)

5. Create a trigger to recalculate data in table “seller\_report” every time after a user update data in table product.

DELIMITER //

**CREATE** **trigger** afterUpdateProduct **after** **UPdate** **on** product **for** **each** **row**

**BEGIN**

**INSERT** **INTO** seller\_report(sellName,crosSale) **values**((**select** **old**.sales.seller **from** sales,product **where** sales.pid=product.pid),(**new**.unitprice\***new**.quantity));

**END/**/