Homework4

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.

**use** pnc;

**create** **table** insertTablecat(

id **int**(11) **PRIMARY** **KEY** AUTOINCREMENT,

UserName **varchar**(100),

CatName **varchar**(100),

**action** **varchar**(100),

**date** **timestamp**

);

DELIMITER //

**create** **trigger** **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** beforeUpdate(

id **int**(11) **primary** **key**,

catName **varchar**(100),

**action** **varchar**(100),

**date** **timestamp**

);

delimiter //

**create** **trigger** before\_delete **before** **delete**

**on** category

**for** **each** **row**

**begin**

**insert** **into** beforeUpdate(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** beforeUpdateProduct(

id **int**(11) **primary** **key**,

ProductName **varchar**(100),

Supplier **varchar**(100),

Unitprice **double**(12,3),

Quantity **int**(11),

**action** **varchar**(100),

**date** **timestamp**

);

delimiter //

**create** **trigger** product\_update **before** **update**

**on** product

**for** **each** **row**

**begin**

**insert** **into** beforeUpdateProduct(ProductName,Supplier,Unitprice,Unitprice,**action**,**date**)

**values** (**old**.pname,**old**.supplier,**old**.unitprice,**old**.quantity,'update',

**curdate**());

**end** //