**Lương nhân viên thấp hơn lương trưởng phòng**

V v< nhanvien

) phong ban i , ) nhanvien k

v.maphong = i.maphong ^ i.trgp=k.manv ^ v.luong<= k.luong

|  |  |  |  |
| --- | --- | --- | --- |
|  | in | De | up |
| Nhanvien | + (luong) | - | +(luong) |
| phongban | - | - | +(trgphong) |

Create trigger trg\_in\_up\_nhanvien on nhanvien

For insert, update

As

begin

If(exists (

Select\*from ínerted as a, phongban, nhanvien

Where a.maphong=phongban.maphong and nhanvien.maphong=phongban.maphong

And nhanvien.manv=phongban.tgp and nhanvien.luong<a.luong

))

begin

Print “loi”

Rollback

end

end

-----------------------------------------------------------------------------------------------------------------

create trigger trg\_up\_phongban on phongban

for update

as

begin

if(exists(

select\*from ínerted as a, nhanvien, nhanvien as b

where a.maphong = nhanvien.maphong and a.trg=nhanvien.manv and b.maphong=nhanvien.maphong and nhanvien.luong<b.luong

))

begin

Print “loi”

Rollback

end

end

=-====================================================================

Mỗi đề án do 1 phongban chủ trì

V v < dean

) I <phongban

v.map=i.map

|  |  |  |  |
| --- | --- | --- | --- |
|  | in | de | Up |
| Phongban | - | + | -\* |
| Dean | + | - | +(map) |

Create trigger trg\_de\_phongban on phongban

For delete

As

Begin

If(exists (

Select\*from deleted as a, dean

Where a.map=dean.map

))

begin

Print “loi”

Rollback

end

end

create trigger trg\_in\_up\_dean on dean

for insert, update

as

begin

if(exists(

select\*from inserted as a, phongban

where a.map=phongban.map

))

Else

begin

Print “loi”

Rollback

end

end

**du an phan cong cho nhan vien phai la mot du an cua cong ty**

booi canh: dean,phancong

v x<phancong

) i<dean

x.mada=i.mada

|  |  |  |  |
| --- | --- | --- | --- |
|  | In | de | up |
| Phancong | + | - | -\* |
| dean | - | + | -\* |

**Ngay sinh cua truong phong phai nho hon ngay nhan chuc**

Boicanh: nhanvien,phong

V x<nhanvien

) k < phong

x.manv=k.trg ^ x.ngsinh< k.ngnc

|  |  |  |  |
| --- | --- | --- | --- |
|  | in | de | Up |
| Nhanvien | - | - | +(ngsinh) |
| Phong | + | - | +(trg, ngnc) |

Ngay thi cua mot mon hoc phai lon hon ngay ket thuc mon hoc do

Boi canh: ketquathi, giangday

V x<giangday

) i<ketquathi

x.ngkt<i.ngthi ^ x.mamh=i.mamh

|  |  |  |  |
| --- | --- | --- | --- |
|  | In | De | Up |
| Kqt | + | - | +(ngthi) |
| giangday | - | - | +(ngkt) |

**Moi hoa don co it nhat 1 cthd**

Boicanh: hoadon,cthd

V x<hoadon

) i<cthd

x.sohd=i.sohd

|  |  |  |  |
| --- | --- | --- | --- |
|  | In | de | Up |
| Hoadon | + | - | -\* |
| cthd | - | + |  |

Jk==========================================================================

Tri gia cua mot hoa don bang tong thanh tien cua hoa don do

Boi canh: hoadon,cthd

V x<hoadon

x.trigia = tong(i< cthd: i.sohd=x.sohd) (i.sl\*i.dongia)

|  |  |  |  |
| --- | --- | --- | --- |
|  | in | De | Up |
| Hoadon | + (trigia=0) | - | +(trigia) |
| cthd | + | + | +(sl,dongia,trigia) |