

```
--q1
select ProductTbl.* , FactorTbl.*
from ProductTbl join SubFactorTbl on SubFactorTbl.Pid=ProductTbl.Pid
join FactorTbl on FactorTbl.Fid=SubFactorTbl.Fid
where FactorTbl.Fdate between 1390.10.12 and 1390.10.15
```

```
--q2
create procedure getDate @date data()
AS
SELECT ProductTbl.*,
(ProductTbl.pBuyPrice-SubFactorTbl.oDiscount)
FROM Producttbl join SubFactortbl as sub on pr.pid=sub.pid
WHERE City = @date
EXEC getDate @date = 1390.01.13;
```

```
--q3

create view newView
as
select ProductTbl.Pid,
ProductTbl.Pname, count(SubFactorTbl.OCOUNT)
from ProductTbl join SubFactorTbl
on SubFactorTbl.Pid=ProductTbl.Pid
group by ProductTbl.Pid, ProductTbl.Pname
```

```
--q4
create
procedure saver @oCount int, @Pid int, @Cid int(), @fDate date()
as
begin
select * from Producttbl join SubFactortbl
ON Producttbl.Pid=SubFactortbl.Pid
join Factortbl on Factortbl.Fid = SubFactortbl.Fid
join Customertbl on Customertbl.Cid=Factortbl.Cid
where oCount=@oCount and Pid=@Pid and Cid=@Cid and FDate=@fDate;
end
```

```
--q5
SELECT Cname, Cfamily, SUM(OCOUNT) FROM Customertbl
JOIN Factortbl ON Factortbl.Cid = Customertbl.Cid
JOIN SubFactortbl ON SubFactortbl.Fid = Factortbl.Fid
HAVING SUM(OCOUNT) > (SELECT AVG(OCOUNT) FROM SubFactortbl);
```

```
--q6
create trigger log_of_changes on Shopdb
```

```
after insert, update, delete
as
declare @op nvarchar(50)
if exists(select * from inserted)
begin
if exists(select * from deleted)
    set @op='Updated successful'
else
    set @op='Inseted succssfull'
end
else
    set @op='Deleted successful'
insert into ShopiLog values(SUSER_SNAME(), GETDATE(), 'ShopDb', @op)
```