

**Q1.**

a)

```
select sname  
from Store s, Cloth c, Sells ss  
where s.country = 'Turkey' and c.size = 'XL' and s.sid = ss.sid and c.cid = ss.cid;
```

b)

```
select max (ss.price)  
from Cloth c, Sells ss  
where c.gender = 'female' and ss.sdate = '08/10/2017' and c.cid = ss.cid;
```

c)

```
select s.sname, s.zipcode  
from Store s, Cloth c, Sells ss  
where s.country = 'France' and ss.price < 100 and c.type = 'jeans' and c.gender =  
'female' and s.sid = ss.sid and c.cid = ss.cid  
intersect  
select s.sname, s.zipcode  
from Store s, Cloth c, Sells ss  
where s.country = 'France' and ss.price < 100 and c.type = 'jeans' and c.gender =  
'male' and s.sid = ss.sid and c.cid = ss.cid;
```

d)

```
select count (*) as quantity_sold, c.cid  
from Store s, Cloth c, Sells ss  
where s.country = 'Germany' and c.type = 'suit' and s.sid = ss.sid and c.cid = ss.cid  
group by c.cid;
```

**Q2.**

a)

```
select b.brand-name, b.owner-company-name
from Brand b, Model m
where b.country= 'Germany' and m.price<8000 and b.brand-name = m.brand-name and
m.engine-id in (select e.engine-id
                from Engine e
                where e.horse-power >170);
```

b)

```
select b.brand-name, b.owner-company-name
from Brand b, Model m
where b.country= 'Germany' and b.brand-name = m.brand-name and m.engine-id not in (
    select e.engine-id
    from Engine e
    where e.fuel-type = 'diesel');
```

c)

```
select b.brand-name
from Brand b, Model m, Engine e
where b.country= 'Germany' and b.brand-name = m.brand-name and e.engine-id=m.engine-
id and e.fuel-type = some (select e.engine-id
                            from Engine e
                            where e.fuel-type = 'diesel') and e.horse-power > some (
                                                                select horse-power
                                                                from Engine
                                                                where horse-power>300);
```

d)

```
select b.brand-name, m.model-name
from Brand b, Model m
where b.brand-name = m.brand-name and m.model-name in (select model-name
                                                         from Model
                                                         group by model-name
                                                         having count (*) > 4);
```

e)

```
select b.brand-name, m.model-name
from Brand b, Model m, Tax t
where b.brand-name = m.brand-name and m.tax-level = t.tax-level and t.tax-cost in
      (select tax-cost
       from Tax
       where tax-cost between 150 and 300) and m.model-name in (select model-name
                                                                from Model
                                                                group by model-name
                                                                having count (*) > 4);
```

f)

```
select avg (m.price) as avg_price
from Brand b, Model m
where b.country= 'France' and b.brand-name = m.brand-name and m.engine-id in (
      select e.engine-id
      from Engine e
      where e.horse-power = 300);
```

g)

```
select b.brand-name
from Brand b, Model m
```

**where** b.country= 'Germany' **and** b.brand-name = m.brand-name **and** m.sold-amount >1000  
**and** avg(m.price) > **all** (**select** avg (md.price)

**from** Brand bd, Model md

**where** bd.country= 'France' **and** bd.brand-name = md.brand-name

**group by** md.brand-name);

h)

**select** b.brand-name, b.owner-company-name

**from** Brand b, Model m

**where** b.country= 'French' **and** b.brand-name = m.brand-name **and** m.engine-id **in** (

**select** e.engine-id

**from** Engine e

**where** e.fuel-type = 'gasoline') **and** m.sold-amount **in** (**select** min(sold-amount)

**from** model

**group by** brand-name);