DBMS ASSIGNMENT

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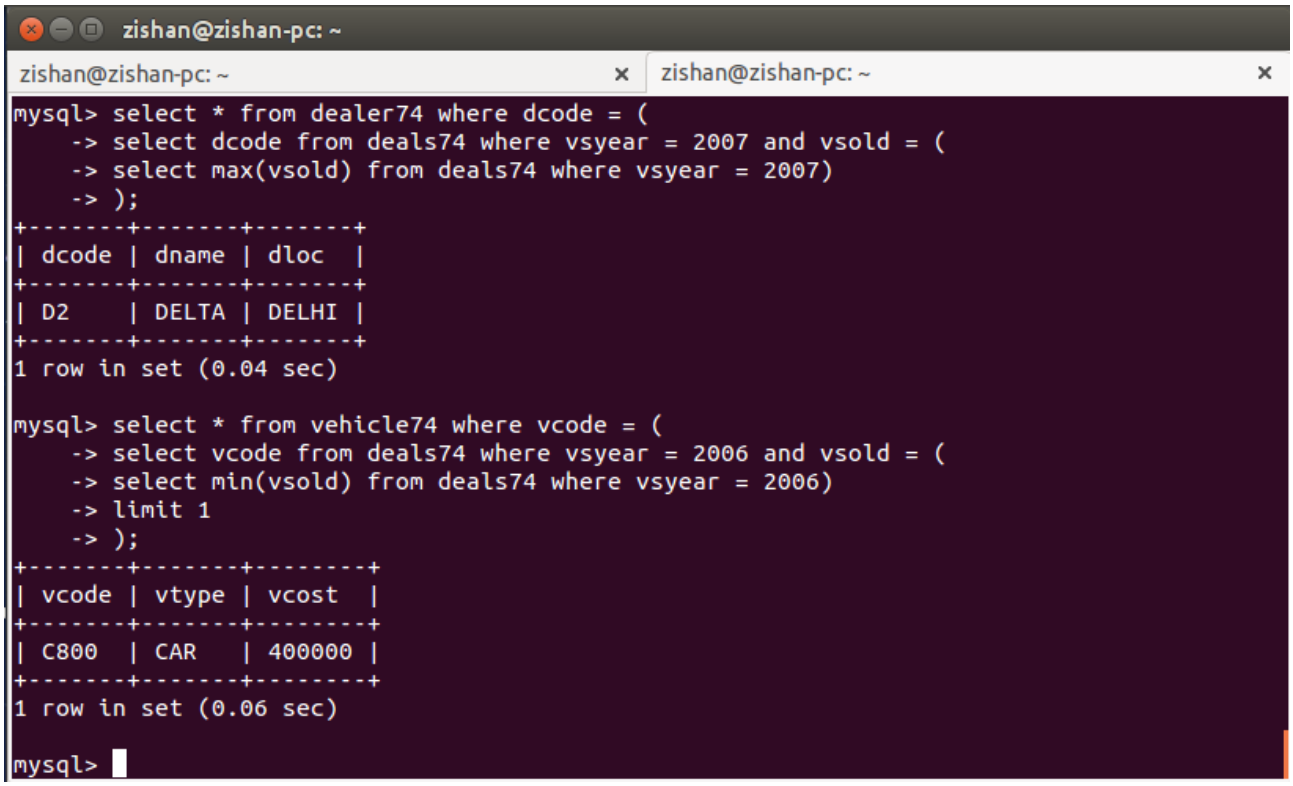
Q1. List the dealer detail who has sold maximum number of cars in 2007.

```
select * from dealer74 where dcode = (
        select dcode from deals74 where vsyear = 2007 and vsold = (
                select max(vsold) from deals74 where vsyear = 2007)
);
```

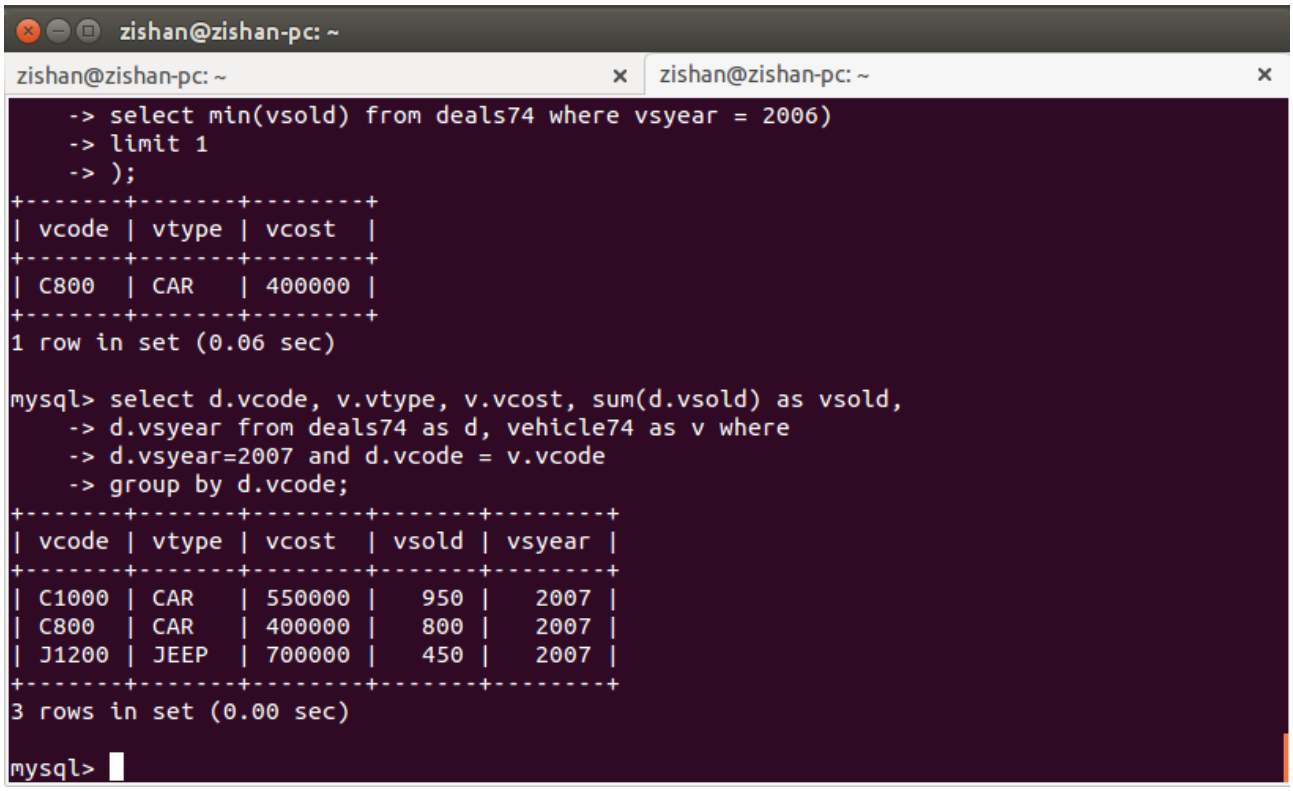
Q2. List the vehicle details of that vehicle which is sold in minimum number in the year 2006.

```
select * from vehicle74 where vcode = (
        select vcode from deals74 where vsyear = 2006 and vsold = (
                select min(vsold) from deals74 where vsyear = 2006)
        limit 1
);
```



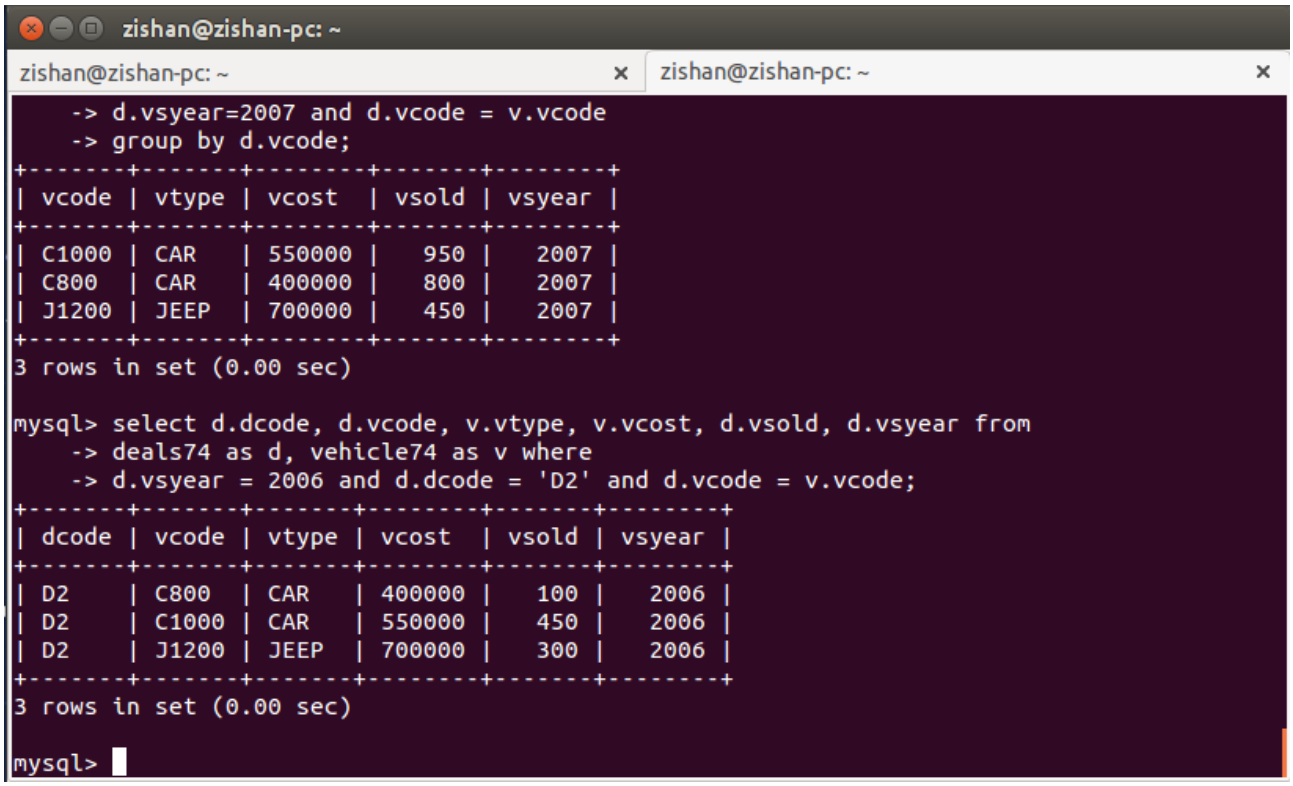
Q3. List the selling statistics of car in the year 2007.

```
select d.vcode, v.vtype, v.vcost, sum(d.vsold) as vsold,
        d.vsyear from deals74 as d, vehicle74 as v where
                d.vsyear=2007 and d.vcode = v.vcode
group by d.vcode;
```



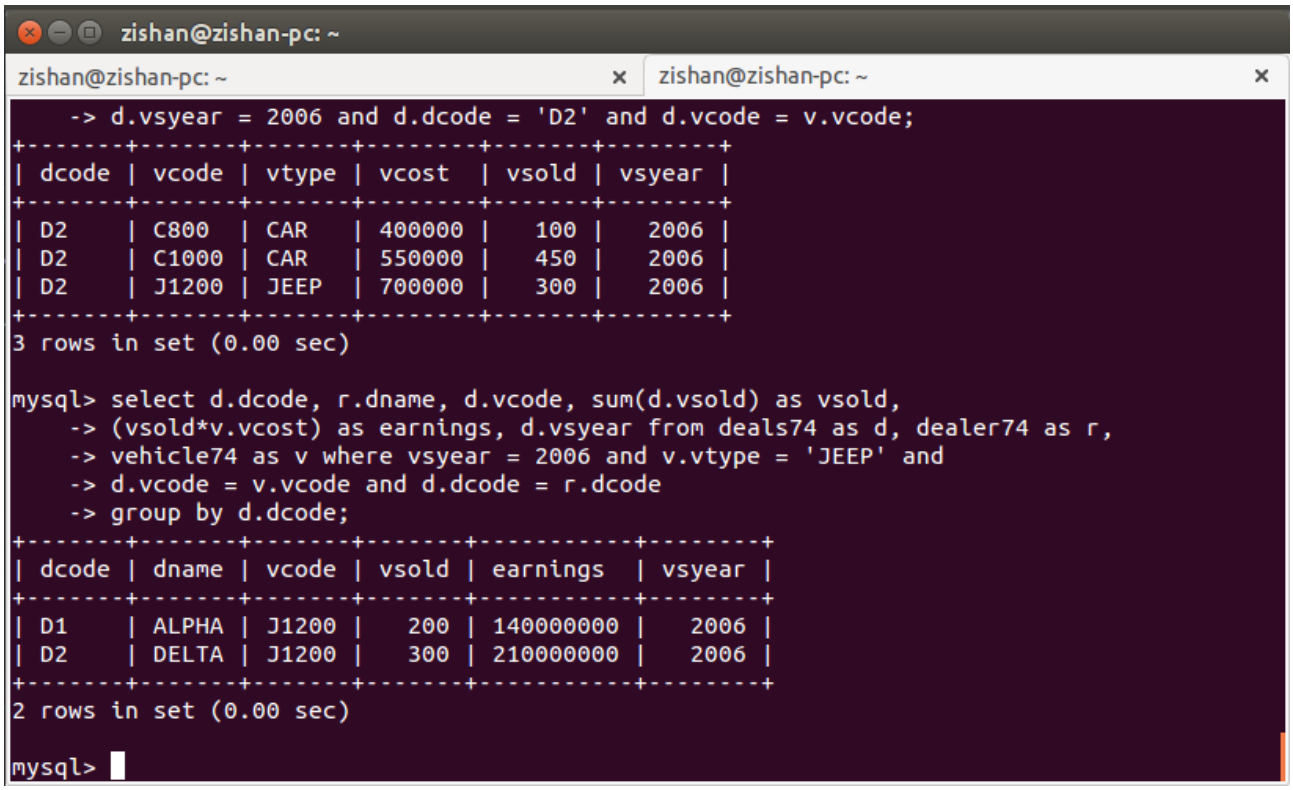
Q4. List the selling statistics of dealer D2 in the year 2006.

```
select d.dcode, d.vcode, v.vtype, v.vcost, d.vsold, d.vsyear from
        deals74 as d, vehicle74 as v where
d.vsyear = 2006 and d.dcode = 'D2' and d.vcode = v.vcode;
```



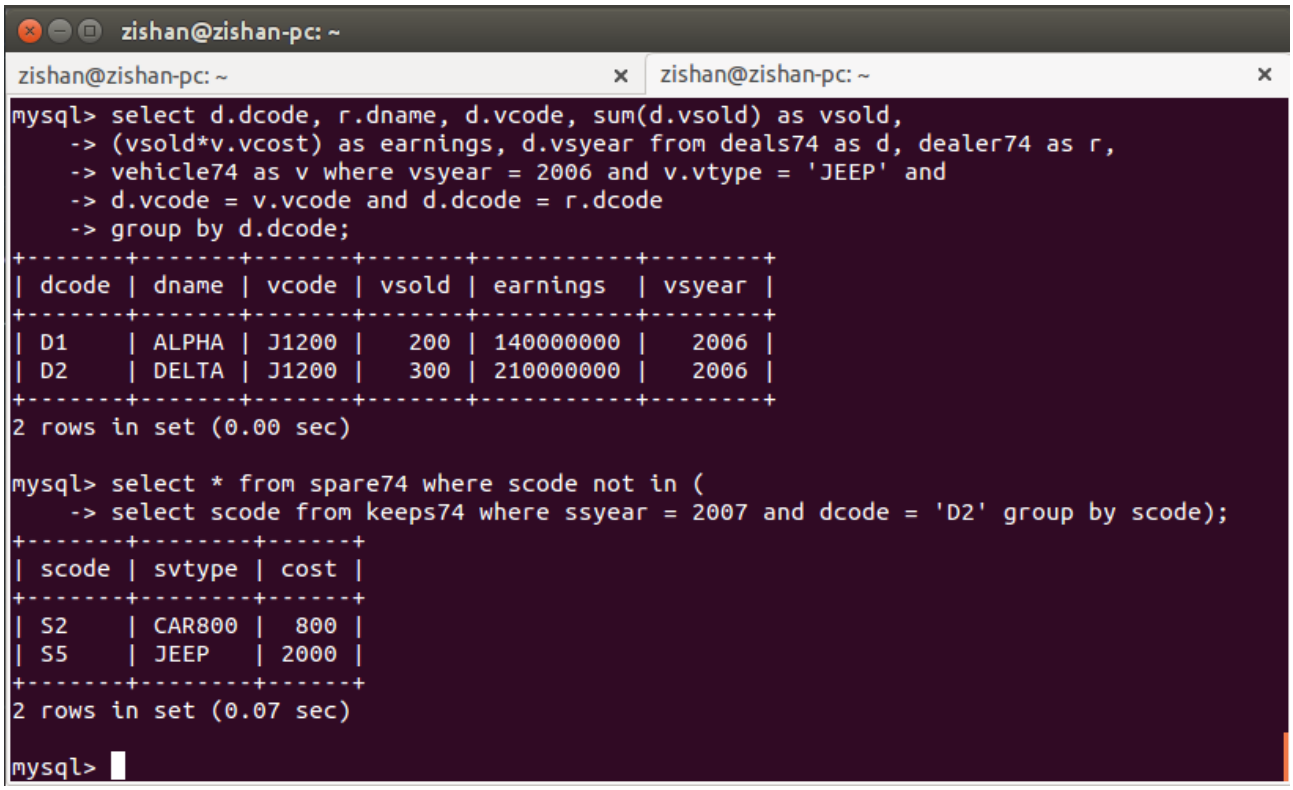
Q5. List the earnings of company by selling JEEP in the year 2006.

```
select d.dcode, r.dname, d.vcode, sum(d.vsold) as vsold,
        (vsold*v.vcost) as earnings, d.vsyear from deals74 as d, dealer74 as r,
                vehicle74 as v where vsyear = 2006 and v.vtype = 'JEEP' and
                d.vcode = v.vcode and d.dcode = r.dcode
group by d.dcode;
```



Q6. List the spare details which the dealer D2 has not sold in the year 2007.

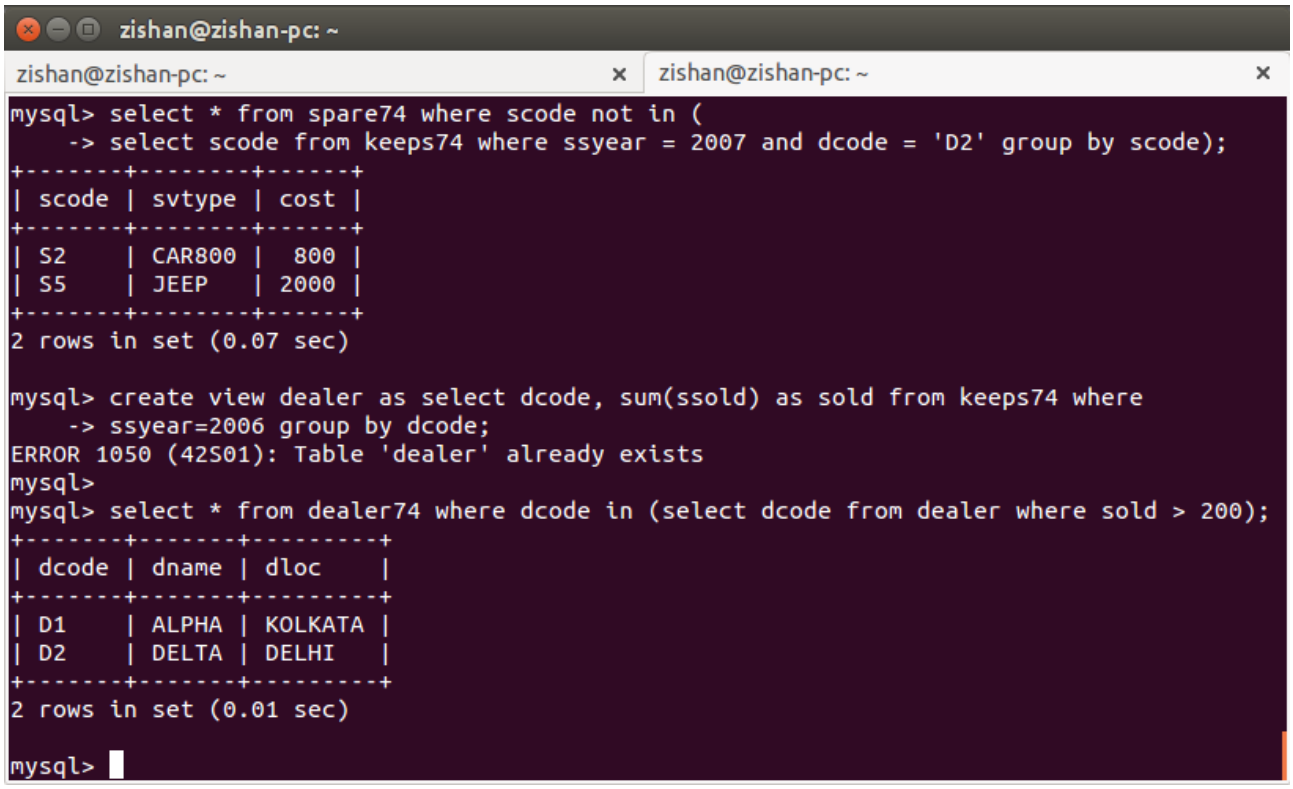
```
select * from spare74 where scode not in (
        select scode from keeps74 where ssyear = 2007 and dcode = 'D2' group by
scode);
```



Q7. List the dealer detail who has sold more than 200 spares in the year 2006.

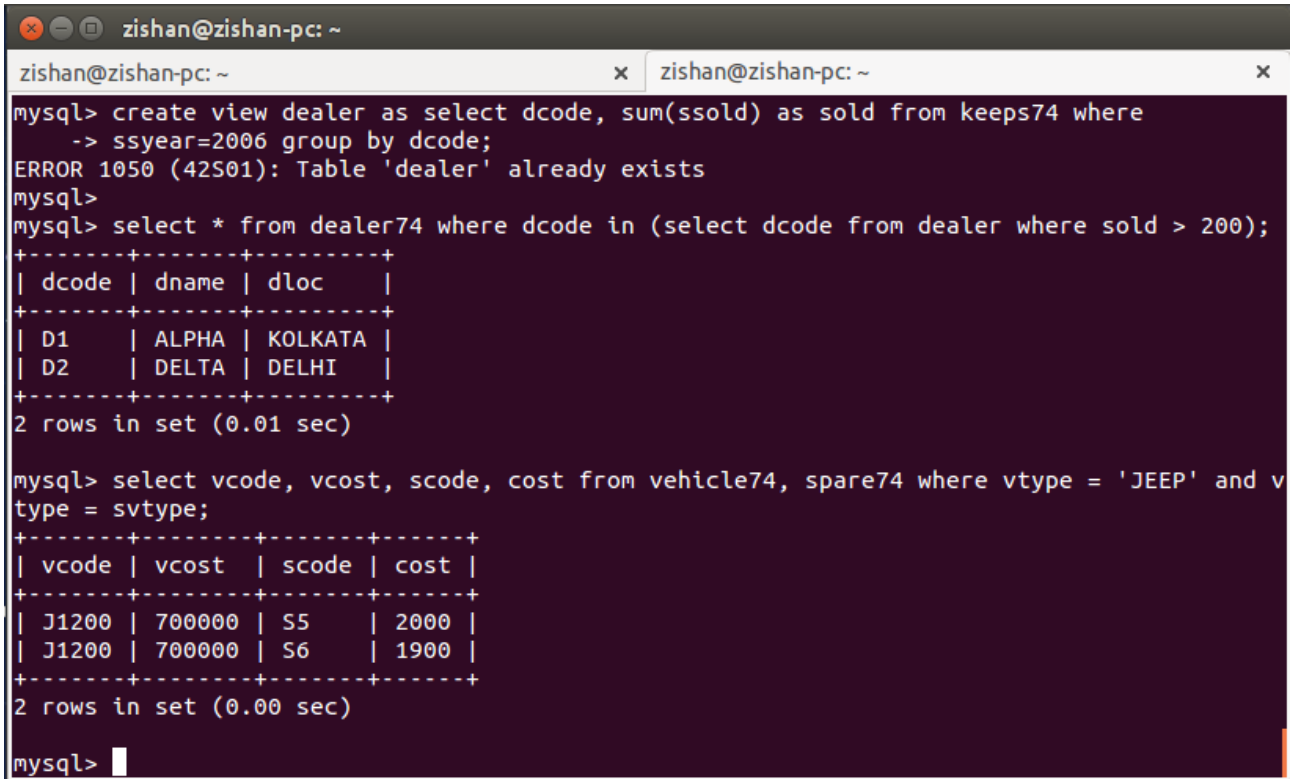
```
create view dealer as select dcode, sum(ssold) as sold from keeps74 where
        ssyear=2006 group by dcode;

select * from dealer74 where dcode in (select dcode from dealer where sold > 200);
```



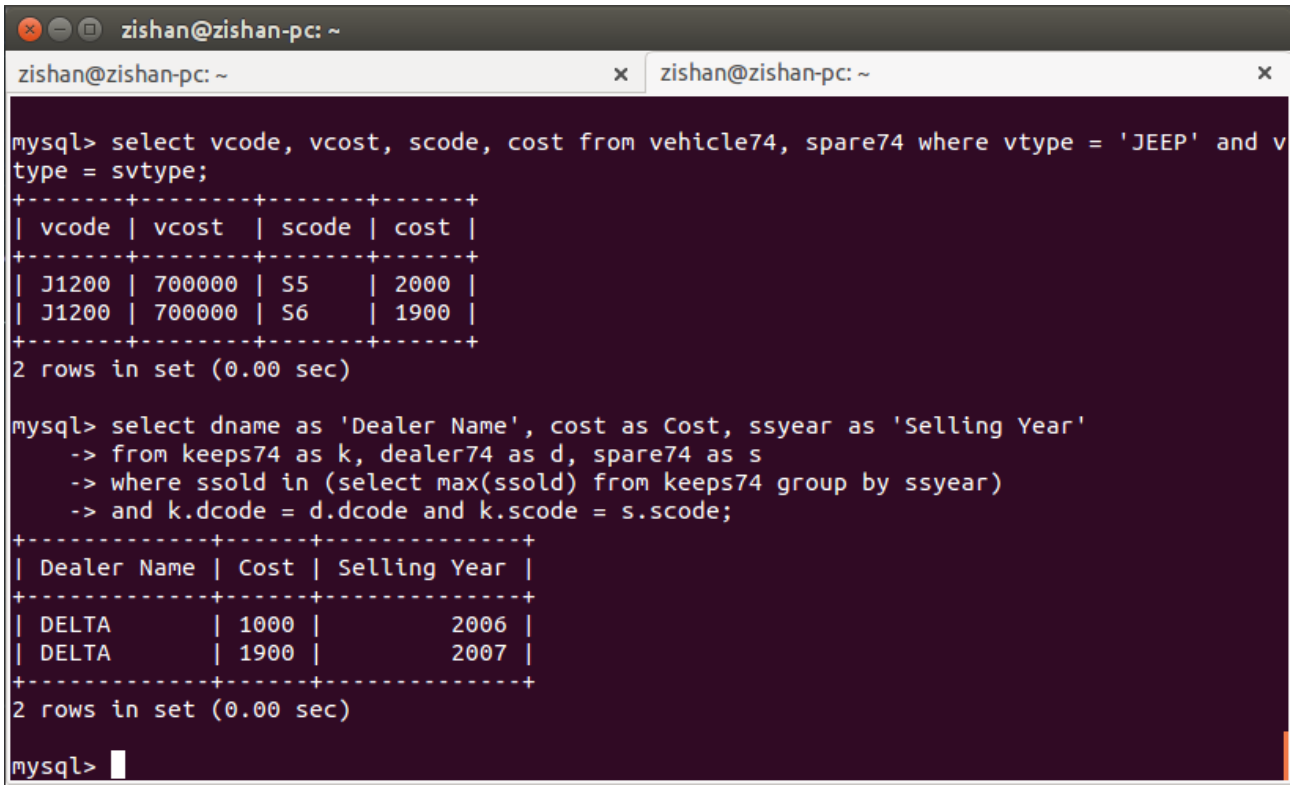
Q8. List the vehicle code, vehicle cost, spare code and spare cost details of JEEP.

select vcode, vcost, scode, cost from vehicle74, spare74 where vtype = 'JEEP' and vtype = svtype;



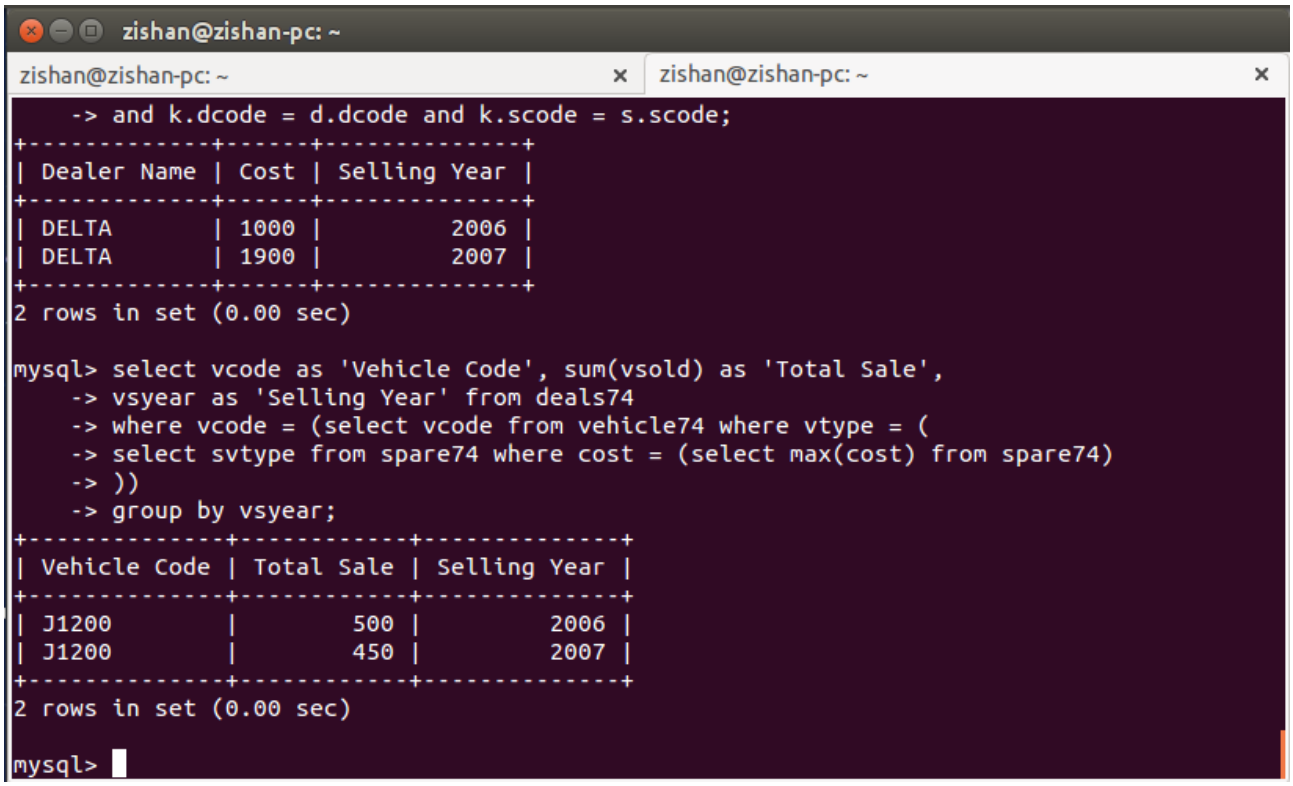
Q9. List the dealer name, spare cost and selling year of those spare parts which are sold in maximum number.

```
select dname as 'Dealer Name', cost as Cost, ssyear as 'Selling Year'
        from keeps74 as k, dealer74 as d, spare74 as s
        where ssold in (select max(ssold) from keeps74 group by ssyear)
and k.dcode = d.dcode and k.scode = s.scode;
```



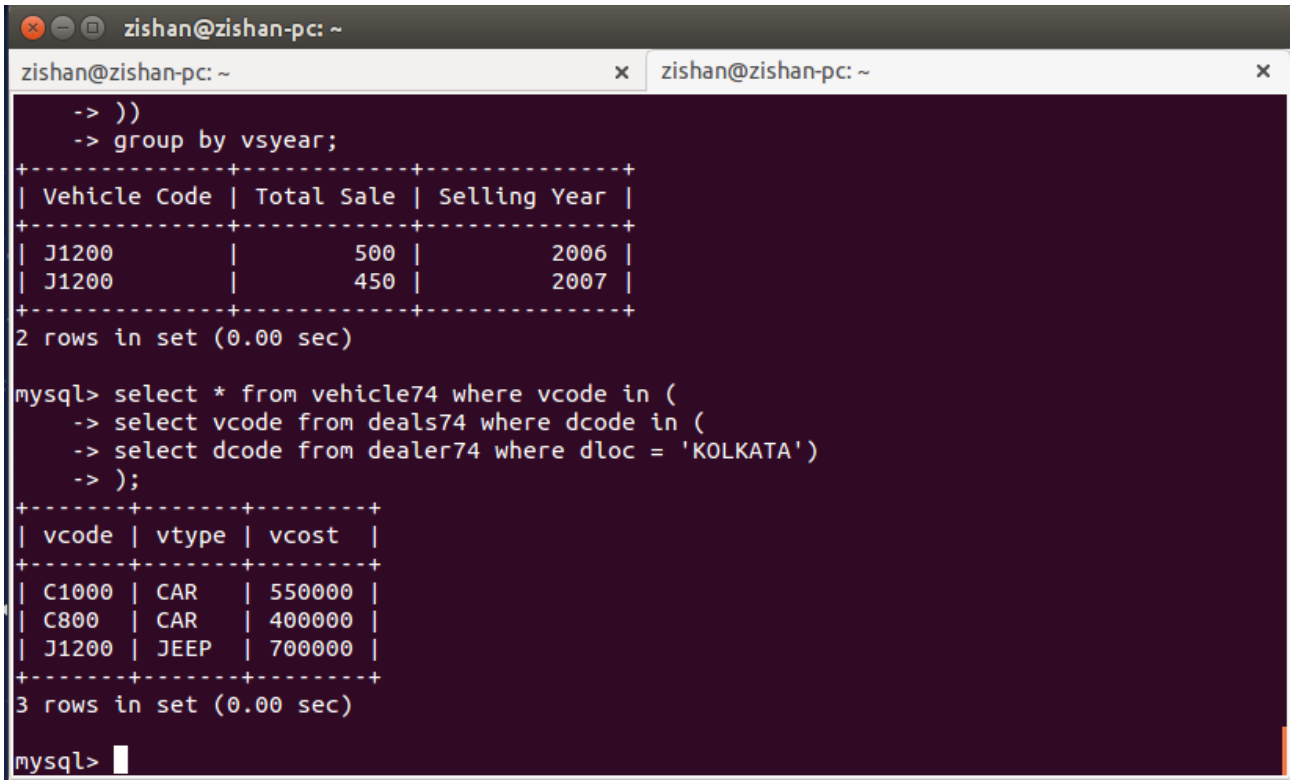
Q10. List the year wise total sale of that vehicle whose spare parts cost is maximum.

```
select vcode as 'Vehicle Code', sum(vsold) as 'Total Sale',
        vsyear as 'Selling Year' from deals74
        where vcode = (select vcode from vehicle74 where vtype = (
                select svtype from spare74 where cost = (select max(cost) from spare74)
        ))
group by vsyear;
```



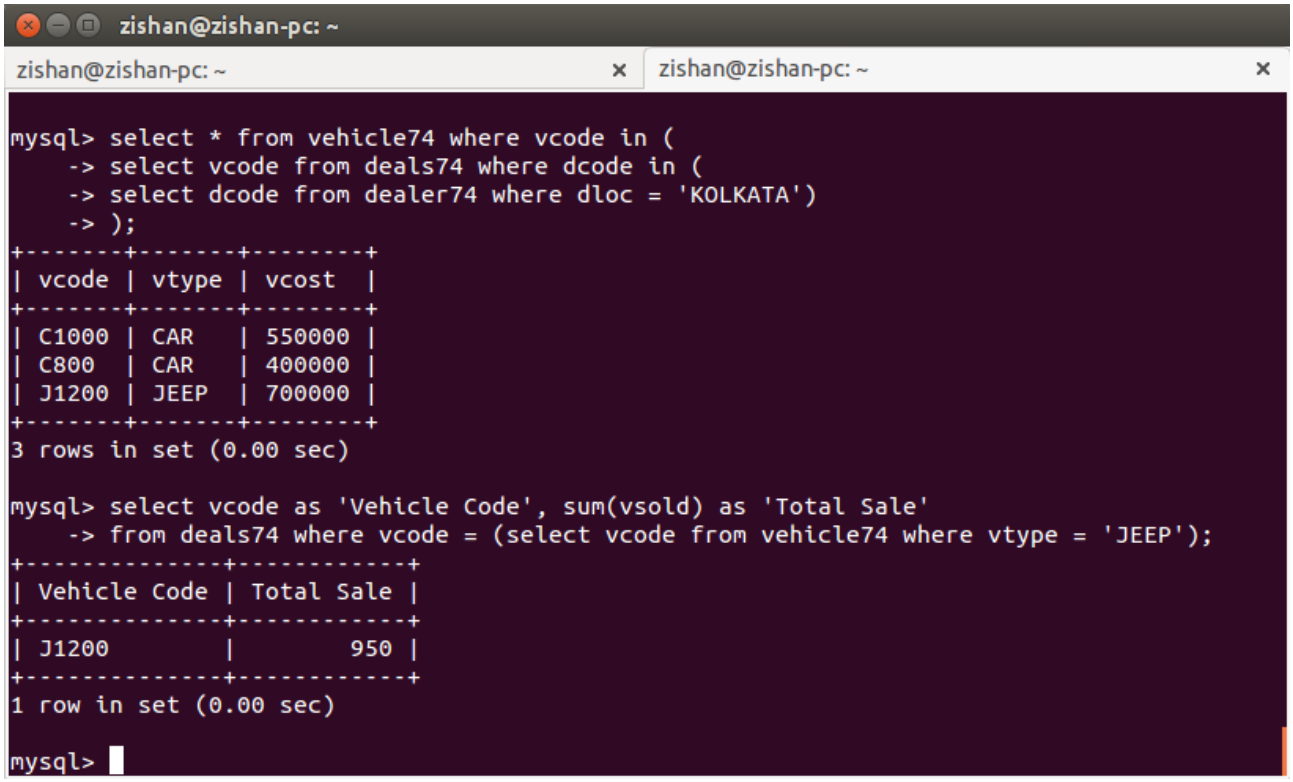
Q11. List the vehicle details sold by the Kolkata dealer.

```
select * from vehicle74 where vcode in (
        select vcode from deals74 where dcode in (
                select dcode from dealer74 where dloc = 'KOLKATA')
);
```



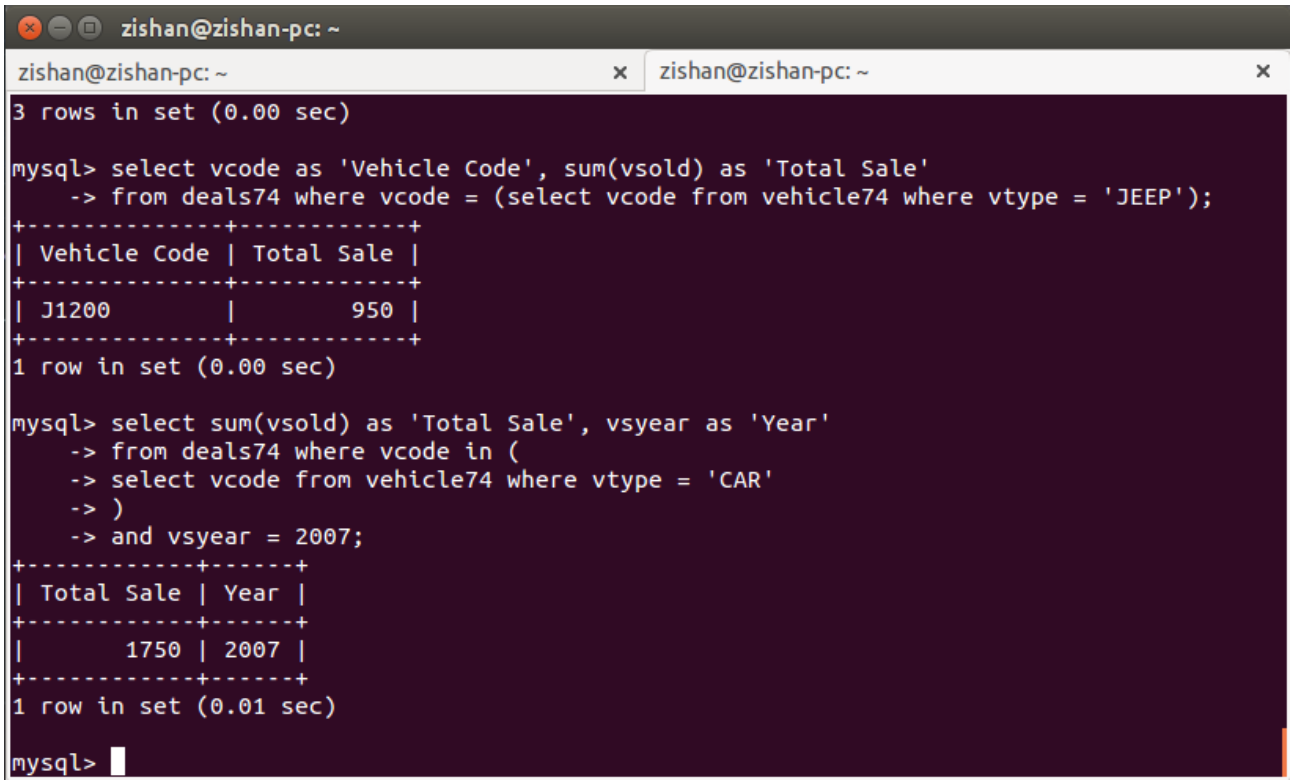
Q12. List the total sale of JEEP.

```
select vcode as 'Vehicle Code', sum(vsold) as 'Total Sale'
        from deals74 where vcode = (select vcode from vehicle74 where vtype =
'JEEP');
```



Q13. List the total sale of car in the year 2007.

```
select sum(vsold) as 'Total Sale', vsyear as 'Year'
        from deals74 where vcode in (
                select vcode from vehicle74 where vtype = 'CAR'
        )
and vsyear = 2007;
```



Q14. List the year wise earning of the company by selling spare part S5.

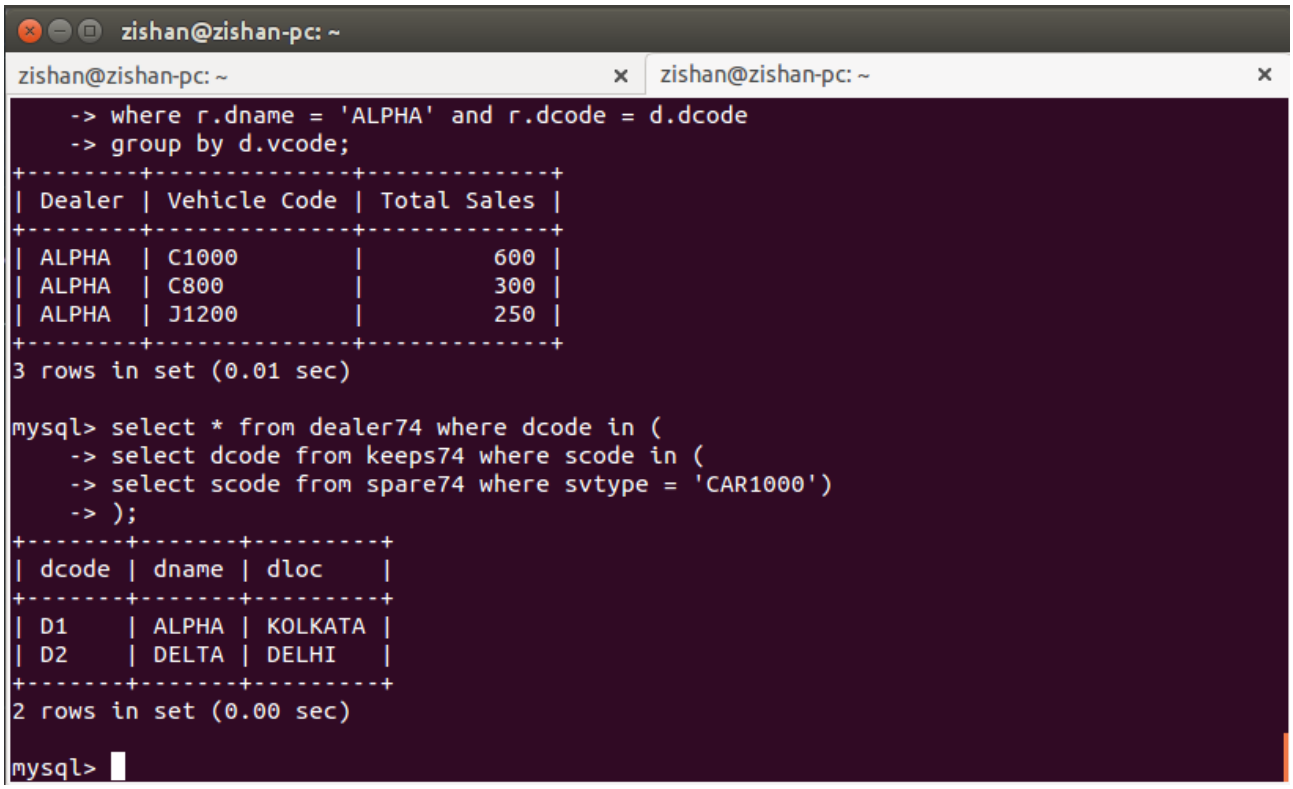
```
select k.scode as 'Spare Part', s.cost as 'Cost', k.ssold as 'Units Sold',
        (s.cost * k.ssold) as Earnings, k.ssyear as 'Year'
        from keeps74 as k, spare74 as s where k.scode = 'S5' and
        k.scode = s.scode
group by k.ssyear;
```

Q15. List the total sales of the vehicles by the dealer ALPHA.

```
select r.dname as 'Dealer', d.vcode as 'Vehicle Code',
        sum(d.vsold) as 'Total Sales' from dealer74 as r, deals74 as d
        where r.dname = 'ALPHA' and r.dcode = d.dcode
group by d.vcode;
```

Q16. List the dealer details that is selling spare parts of CAR1000.

```
select * from dealer74 where dcode in (
        select dcode from keeps74 where scode in (
                select scode from spare74 where svtype = 'CAR1000')
);
```



Q17. List the spare detail which was not sold by dealer D1 in the year 2006.

```
select * from spare74 where scode not in (
        select scode from keeps74 where ssyear = 2006 and dcode = 'D1'
);
```