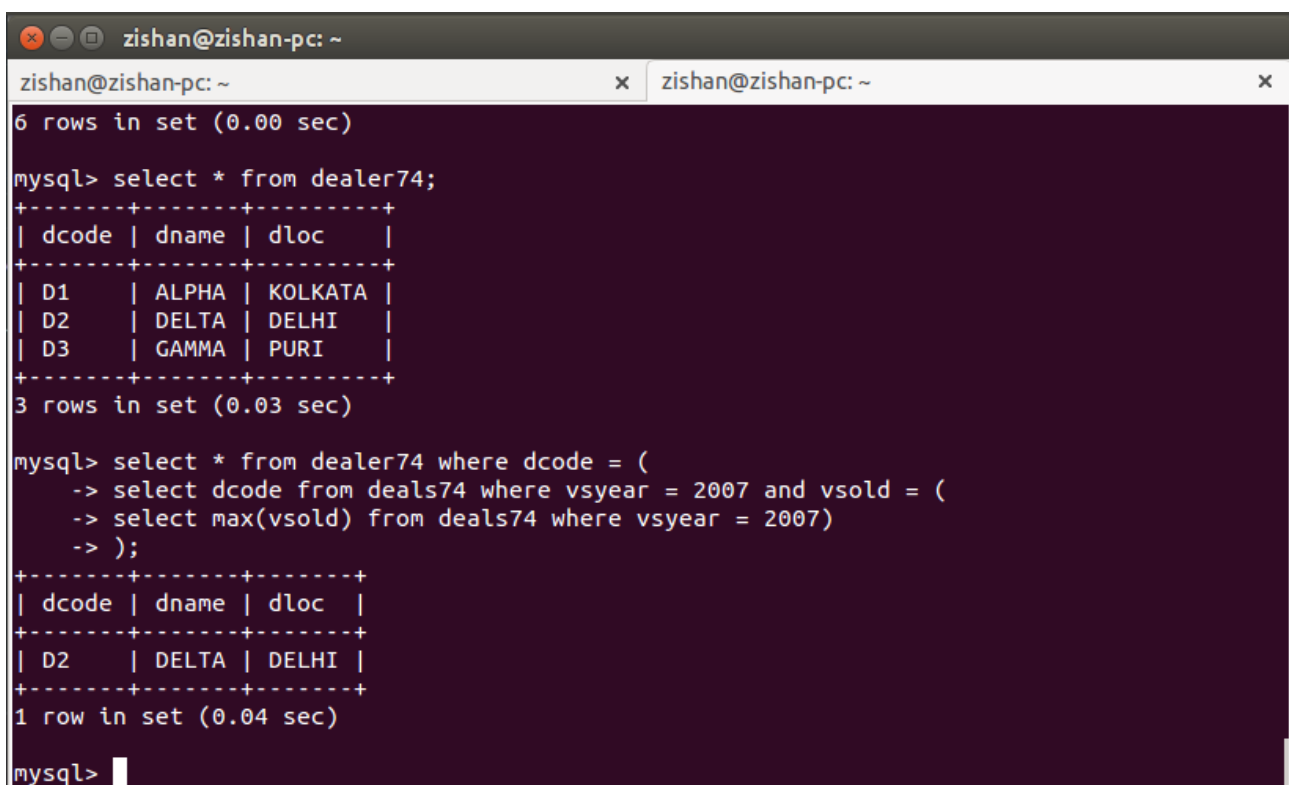


DBMS ASSIGNMENT

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BTECH COMPUTER ENGINEERING
SEMESTER 5, 2014

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)  
);
```

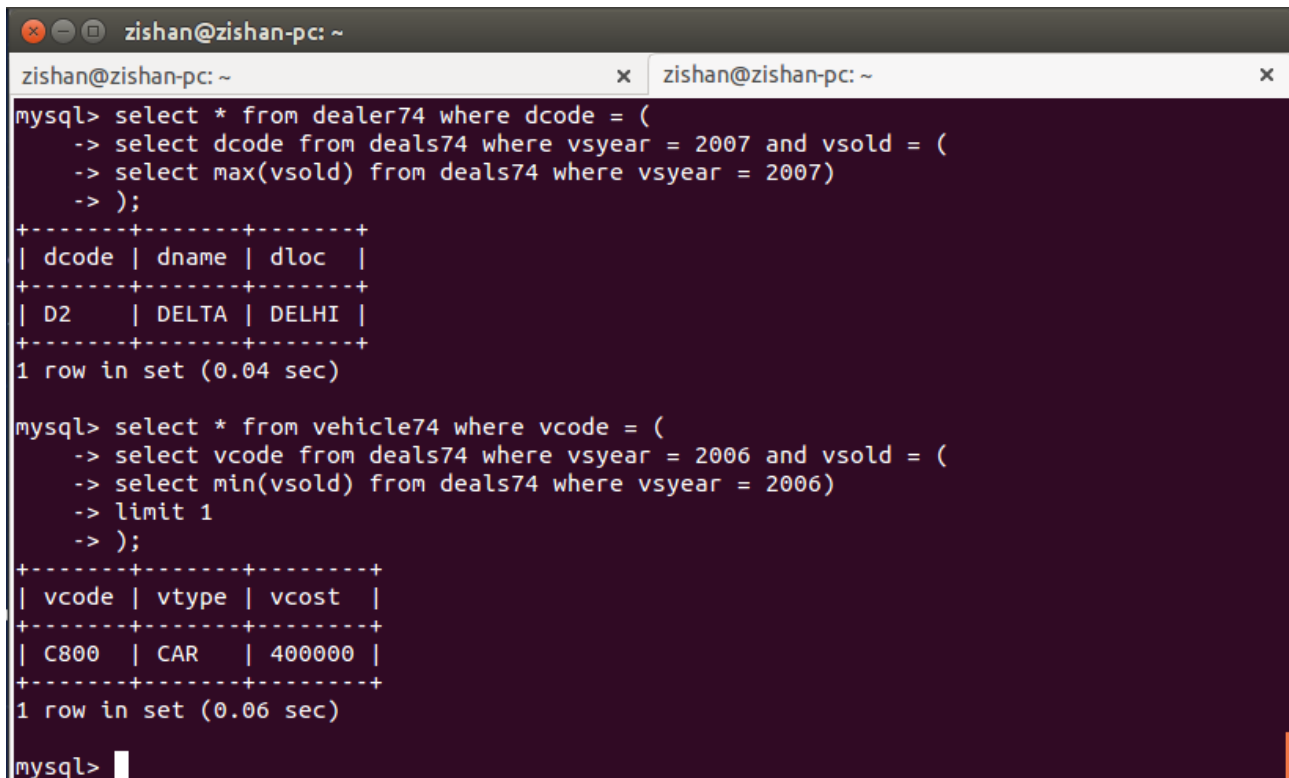


The screenshot shows a terminal window with a dark background. The title bar indicates the user is 'zishan' on a machine named 'zishan-pc'. The terminal shows the output of a MySQL query. First, it displays '6 rows in set (0.00 sec)'. Then, the user enters the command 'mysql> select * from dealer74;'. The result is a table with three columns: 'dcode', 'dname', and 'dloc'. The data rows are: D1 | ALPHA | KOLKATA, D2 | DELTA | DELHI, and D3 | GAMMA | PURI. This is followed by '3 rows in set (0.03 sec)'. Then, the user enters a subquery: 'mysql> select * from dealer74 where dcode = (-> select dcode from deals74 where vsyear = 2007 and vsold = (-> select max(vsold) from deals74 where vsyear = 2007) ->);'. The result is a single row: D2 | DELTA | DELHI. This is followed by '1 row in set (0.04 sec)'. Finally, the prompt 'mysql>' is shown with a cursor.

```
zishan@zishan-pc: ~  
zishan@zishan-pc: ~ x zishan@zishan-pc: ~ x  
6 rows in set (0.00 sec)  
mysql> select * from dealer74;  
+-----+-----+-----+  
| dcode | dname | dloc  |  
+-----+-----+-----+  
| D1    | ALPHA | KOLKATA |  
| D2    | DELTA | DELHI  |  
| D3    | GAMMA | PURI   |  
+-----+-----+-----+  
3 rows in set (0.03 sec)  
mysql> select * from dealer74 where dcode = (  
    -> select dcode from deals74 where vsyear = 2007 and vsold = (  
    -> select max(vsold) from deals74 where vsyear = 2007)  
    -> );  
+-----+-----+-----+  
| dcode | dname | dloc  |  
+-----+-----+-----+  
| D2    | DELTA | DELHI |  
+-----+-----+-----+  
1 row in set (0.04 sec)  
mysql> 
```

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

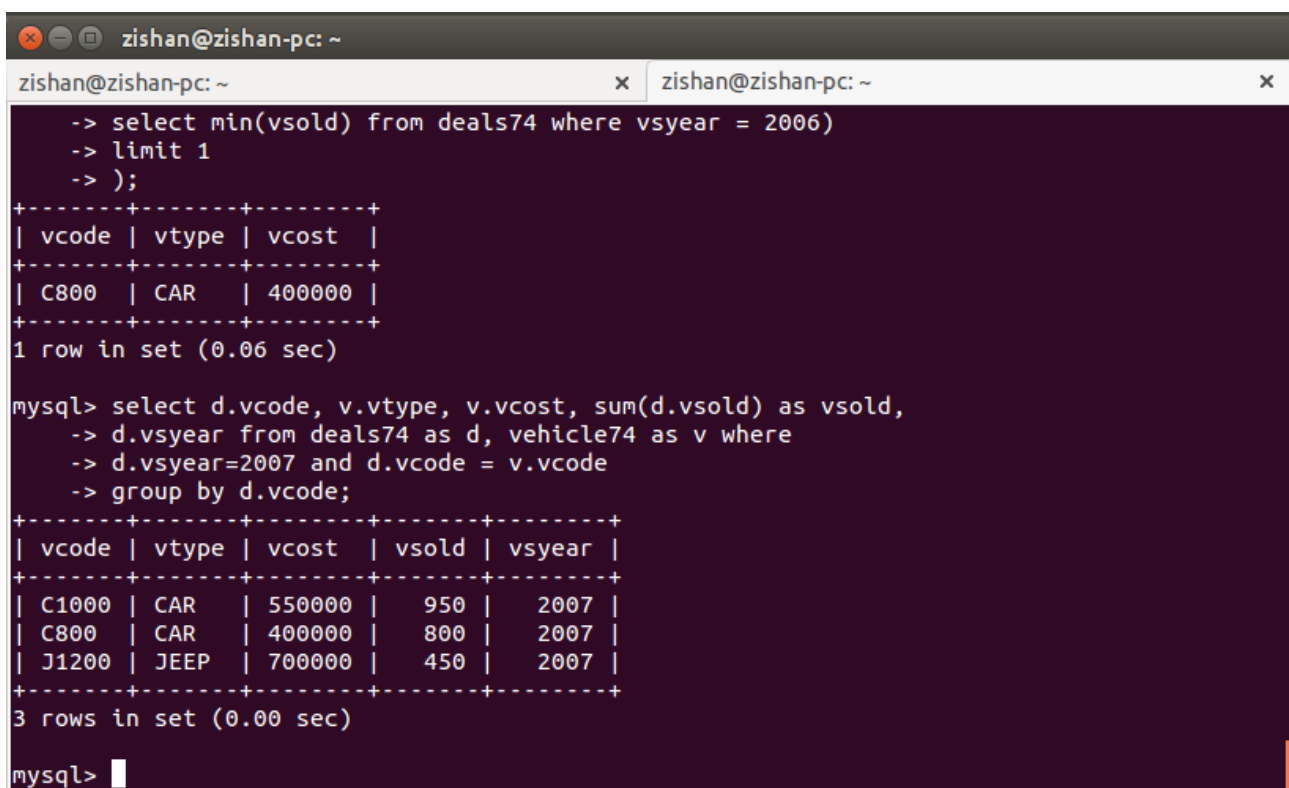
```
select * from vehicle74 where vcode = (  
    select vcode from deals74 where vsyear = 2006 and vsold = (  
        select min(vsold) from deals74 where vsyear = 2006)  
    limit 1  
);
```



```
zishan@zishan-pc: ~  
mysql> select * from dealer74 where dcode = (  
    -> select dcode from deals74 where vsyear = 2007 and vsold = (  
    -> select max(vsold) from deals74 where vsyear = 2007)  
    -> );  
+-----+-----+-----+  
| dcode | dname | dloc |  
+-----+-----+-----+  
| D2    | DELTA | DELHI |  
+-----+-----+-----+  
1 row in set (0.04 sec)  
  
mysql> select * from vehicle74 where vcode = (  
    -> select vcode from deals74 where vsyear = 2006 and vsold = (  
    -> select min(vsold) from deals74 where vsyear = 2006)  
    -> limit 1  
    -> );  
+-----+-----+-----+  
| vcode | vtype | vcost |  
+-----+-----+-----+  
| C800  | CAR   | 400000 |  
+-----+-----+-----+  
1 row in set (0.06 sec)  
  
mysql>
```

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

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

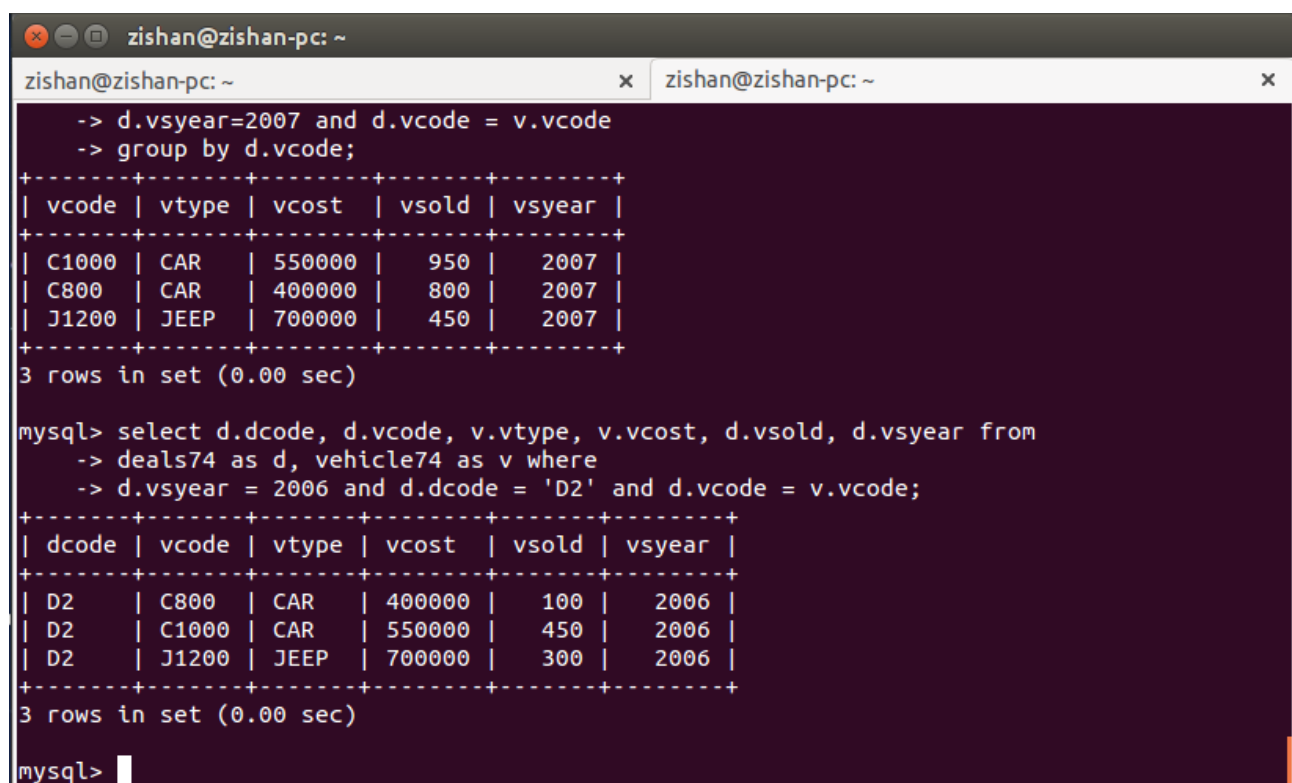


The image shows a terminal window with a dark background. At the top, there are window control buttons and the text 'zishan@zishan-pc: ~'. Below this, the prompt 'zishan@zishan-pc: ~' is followed by a series of MySQL commands and their outputs. The first query finds the minimum 'vsold' value for the year 2006, returning one row with vcode 'C800', vtype 'CAR', and vcost '400000'. The second query lists selling statistics for the year 2007, grouped by vcode, returning three rows for different car models.

```
zishan@zishan-pc: ~  
zishan@zishan-pc: ~ x zishan@zishan-pc: ~ x  
-> select min(vsold) from deals74 where vyear = 2006)  
-> limit 1  
-> );  
+-----+-----+-----+  
| vcode | vtype | vcost |  
+-----+-----+-----+  
| C800  | CAR   | 400000 |  
+-----+-----+-----+  
1 row in set (0.06 sec)  
  
mysql> select d.vcode, v.vtype, v.vcost, sum(d.vsold) as vsold,  
-> d.vyear from deals74 as d, vehicle74 as v where  
-> d.vyear=2007 and d.vcode = v.vcode  
-> group by d.vcode;  
+-----+-----+-----+-----+-----+  
| vcode | vtype | vcost | vsold | vyear |  
+-----+-----+-----+-----+-----+  
| C1000 | CAR   | 550000 | 950   | 2007  |  
| C800  | CAR   | 400000 | 800   | 2007  |  
| J1200 | JEEP  | 700000 | 450   | 2007  |  
+-----+-----+-----+-----+-----+  
3 rows in set (0.00 sec)  
  
mysql> 
```

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

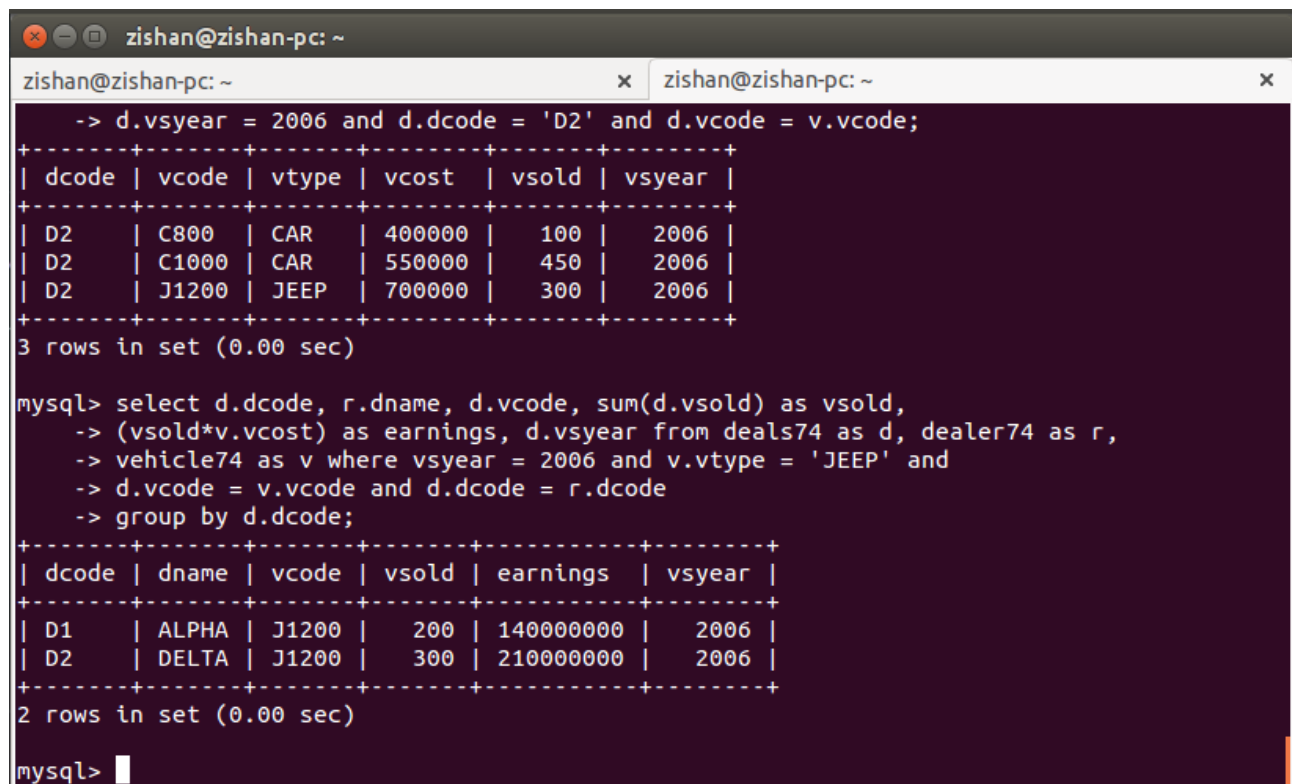
```
select d.dcode, d.vcode, v.vtype, v.vcost, d.vsold, d.vyear from  
    deals74 as d, vehicle74 as v where  
d.vyear = 2006 and d.dcode = 'D2' and d.vcode = v.vcode;
```



```
zishan@zishan-pc: ~  
zishan@zishan-pc: ~  
-> d.vyear=2007 and d.vcode = v.vcode  
-> group by d.vcode;  
+-----+  
| vcode | vtype | vcost | vsold | vyear |  
+-----+  
| C1000 | CAR   | 550000 | 950   | 2007 |  
| C800  | CAR   | 400000 | 800   | 2007 |  
| J1200 | JEEP  | 700000 | 450   | 2007 |  
+-----+  
3 rows in set (0.00 sec)  
  
mysql> select d.dcode, d.vcode, v.vtype, v.vcost, d.vsold, d.vyear from  
-> deals74 as d, vehicle74 as v where  
-> d.vyear = 2006 and d.dcode = 'D2' and d.vcode = v.vcode;  
+-----+  
| dcode | vcode | vtype | vcost | vsold | vyear |  
+-----+  
| D2    | C800  | CAR   | 400000 | 100   | 2006 |  
| D2    | C1000 | CAR   | 550000 | 450   | 2006 |  
| D2    | J1200 | JEEP  | 700000 | 300   | 2006 |  
+-----+  
3 rows in set (0.00 sec)  
  
mysql> 
```

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.vyear from deals74 as d, dealer74 as r,  
       vehicle74 as v where vyear = 2006 and v.vtype = 'JEEP' and  
       d.vcode = v.vcode and d.dcode = r.dcode  
group by d.dcode;
```



The image shows a terminal window with a dark background. At the top, there are two tabs labeled 'zishan@zishan-pc: ~'. The terminal displays a series of SQL queries and their results. The first query filters for 'D2' and 'JEEP' in 2006, returning 3 rows. The second query calculates earnings for 'JEEP' in 2006, returning 2 rows. The terminal text is as follows:

```
zishan@zishan-pc: ~  
zishan@zishan-pc: ~ x zishan@zishan-pc: ~ x  
-> d.vyear = 2006 and d.dcode = 'D2' and d.vcode = v.vcode;  
+-----+-----+-----+-----+-----+-----+  
| dcode | vcode | vtype | vcost | vsold | vyear |  
+-----+-----+-----+-----+-----+-----+  
| D2    | C800  | CAR   | 400000 | 100   | 2006 |  
| D2    | C1000 | CAR   | 550000 | 450   | 2006 |  
| D2    | J1200 | JEEP  | 700000 | 300   | 2006 |  
+-----+-----+-----+-----+-----+-----+  
3 rows in set (0.00 sec)  
  
mysql> select d.dcode, r.dname, d.vcode, sum(d.vsold) as vsold,  
-> (vsold*v.vcost) as earnings, d.vyear from deals74 as d, dealer74 as r,  
-> vehicle74 as v where vyear = 2006 and v.vtype = 'JEEP' and  
-> d.vcode = v.vcode and d.dcode = r.dcode  
-> group by d.dcode;  
+-----+-----+-----+-----+-----+-----+  
| dcode | dname | vcode | vsold | earnings | vyear |  
+-----+-----+-----+-----+-----+-----+  
| D1    | ALPHA | J1200 | 200   | 140000000 | 2006 |  
| D2    | DELTA | J1200 | 300   | 210000000 | 2006 |  
+-----+-----+-----+-----+-----+-----+  
2 rows in set (0.00 sec)  
  
mysql> 
```

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);
```

```
zishan@zishan-pc: ~  
mysql> select d.dcode, r.dname, d.vcode, sum(d.vsold) as vsold,  
-> (vsold*v.vcost) as earnings, d.vyear 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;  
+-----+-----+-----+-----+-----+-----+  
| dcode | dname | vcode | vsold | earnings | vyear |  
+-----+-----+-----+-----+-----+-----+  
| D1    | ALPHA | J1200 | 200   | 140000000 | 2006 |  
| D2    | DELTA | J1200 | 300   | 210000000 | 2006 |  
+-----+-----+-----+-----+-----+-----+  
2 rows in set (0.00 sec)  
  
mysql> select * from spare74 where scode not in (  
-> select scode from keeps74 where ssyear = 2007 and dcode = 'D2' group by scode);  
+-----+-----+-----+  
| scode | svtype | cost |  
+-----+-----+-----+  
| S2    | CAR800 | 800  |  
| S5    | JEEP   | 2000 |  
+-----+-----+-----+  
2 rows in set (0.07 sec)  
  
mysql> 
```

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);

```
zishan@zishan-pc: ~
mysql> select * from spare74 where scode not in (
-> select scode from keeps74 where ssyear = 2007 and dcode = 'D2' group by scode);
+-----+-----+-----+
| scode | svtype | cost |
+-----+-----+-----+
| S2    | CAR800 | 800   |
| S5    | JEEP   | 2000  |
+-----+-----+-----+
2 rows in set (0.07 sec)

mysql> create view dealer as select dcode, sum(ssold) as sold from keeps74 where
-> ssyear=2006 group by dcode;
ERROR 1050 (42S01): Table 'dealer' already exists
mysql>
mysql> select * from dealer74 where dcode in (select dcode from dealer where sold > 200);
+-----+-----+-----+
| dcode | dname  | dloc   |
+-----+-----+-----+
| D1    | ALPHA  | KOLKATA |
| D2    | DELTA  | DELHI   |
+-----+-----+-----+
2 rows in set (0.01 sec)

mysql>
```

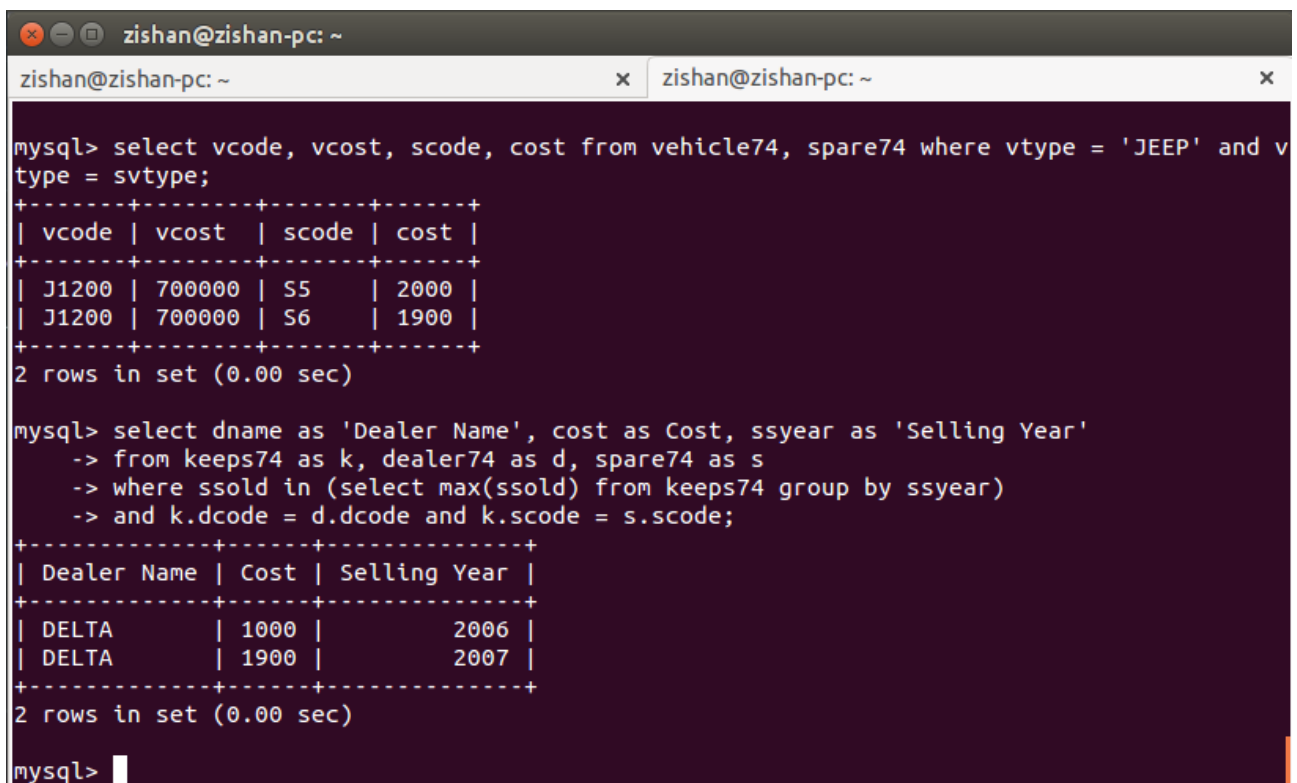

Q8. List the vehicle code, vehicle cost, spare code and spare cost details of JEEP.

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

```
zishan@zishan-pc: ~  
mysql> create view dealer as select dcode, sum(ssold) as sold from keeps74 where  
-> ssyear=2006 group by dcode;  
ERROR 1050 (42S01): Table 'dealer' already exists  
mysql>  
mysql> select * from dealer74 where dcode in (select dcode from dealer where sold > 200);  
+-----+-----+-----+  
| dcode | dname | dloc  |  
+-----+-----+-----+  
| D1    | ALPHA | KOLKATA |  
| D2    | DELTA | DELHI  |  
+-----+-----+-----+  
2 rows in set (0.01 sec)  
  
mysql> select vcode, vcost, scode, cost from vehicle74, spare74 where vtype = 'JEEP' and v  
type = svtype;  
+-----+-----+-----+-----+  
| vcode | vcost | scode | cost |  
+-----+-----+-----+-----+  
| J1200 | 700000 | S5    | 2000 |  
| J1200 | 700000 | S6    | 1900 |  
+-----+-----+-----+-----+  
2 rows in set (0.00 sec)  
  
mysql>
```

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;
```



The screenshot shows a terminal window with a dark background. At the top, there are window title bars for 'zishan@zishan-pc: ~'. The terminal displays two MySQL queries and their results. The first query filters for 'JEEP' vehicles. The second query finds the dealer with the most sales for each selling year.

```
mysql> select vcode, vcost, scode, cost from vehicle74, spare74 where vtype = 'JEEP' and v
type = svtype;
+-----+-----+-----+-----+
| vcode | vcost | scode | cost |
+-----+-----+-----+-----+
| J1200 | 700000 | S5    | 2000 |
| J1200 | 700000 | S6    | 1900 |
+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> 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;
+-----+-----+-----+
| Dealer Name | Cost | Selling Year |
+-----+-----+-----+
| DELTA      | 1000 | 2006         |
| DELTA      | 1900 | 2007         |
+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> 
```

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;
```



The screenshot shows a MySQL terminal window with the following content:

```
zishan@zishan-pc: ~  
mysql> 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;
```

The first query result is displayed as a table:

Dealer Name	Cost	Selling Year
DELTA	1000	2006
DELTA	1900	2007

2 rows in set (0.00 sec)

The second query result is displayed as a table:

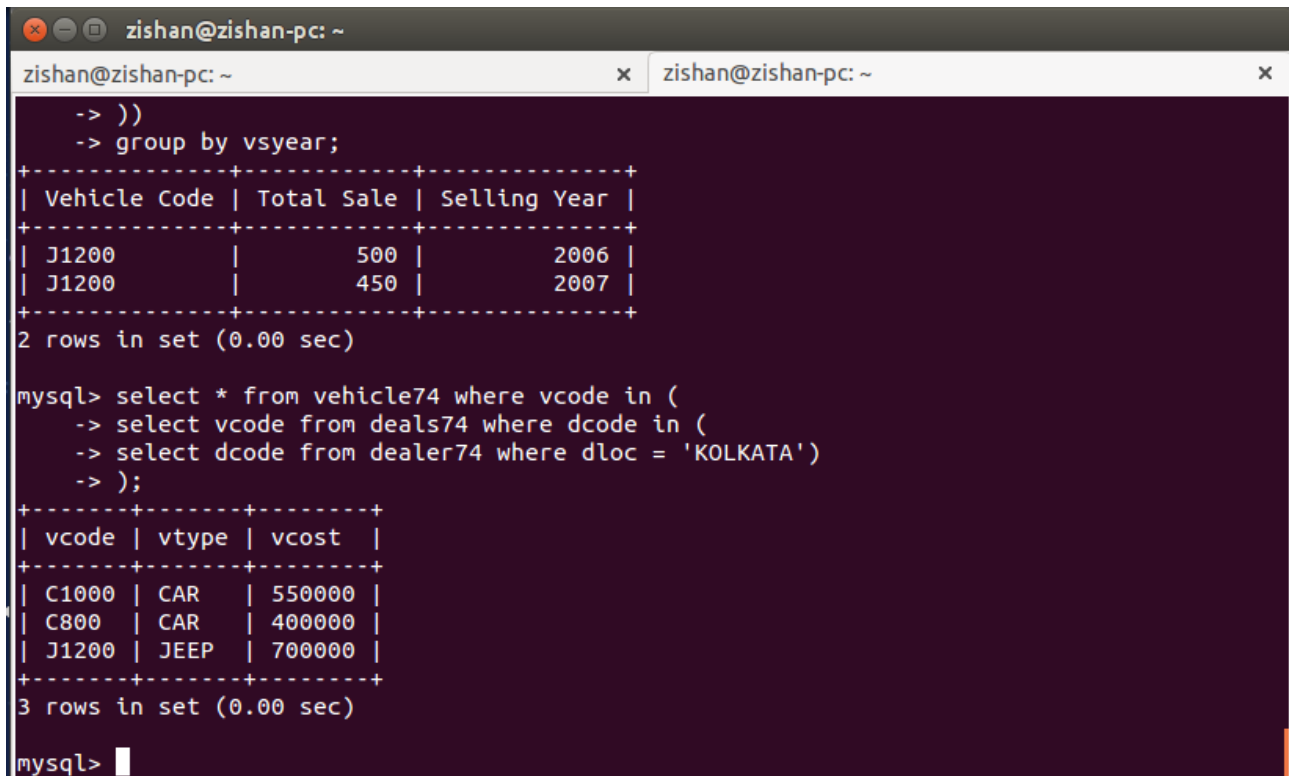
Vehicle Code	Total Sale	Selling Year
J1200	500	2006
J1200	450	2007

2 rows in set (0.00 sec)

mysql>

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')  
    );
```



The screenshot shows a terminal window with a MySQL prompt. The user has entered a query to select vehicle details from the vehicle74 table, filtered by dealer location (Kolkata). The results are displayed in a table format.

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

Vehicle Code	Total Sale	Selling Year
J1200	500	2006
J1200	450	2007

2 rows in set (0.00 sec)

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

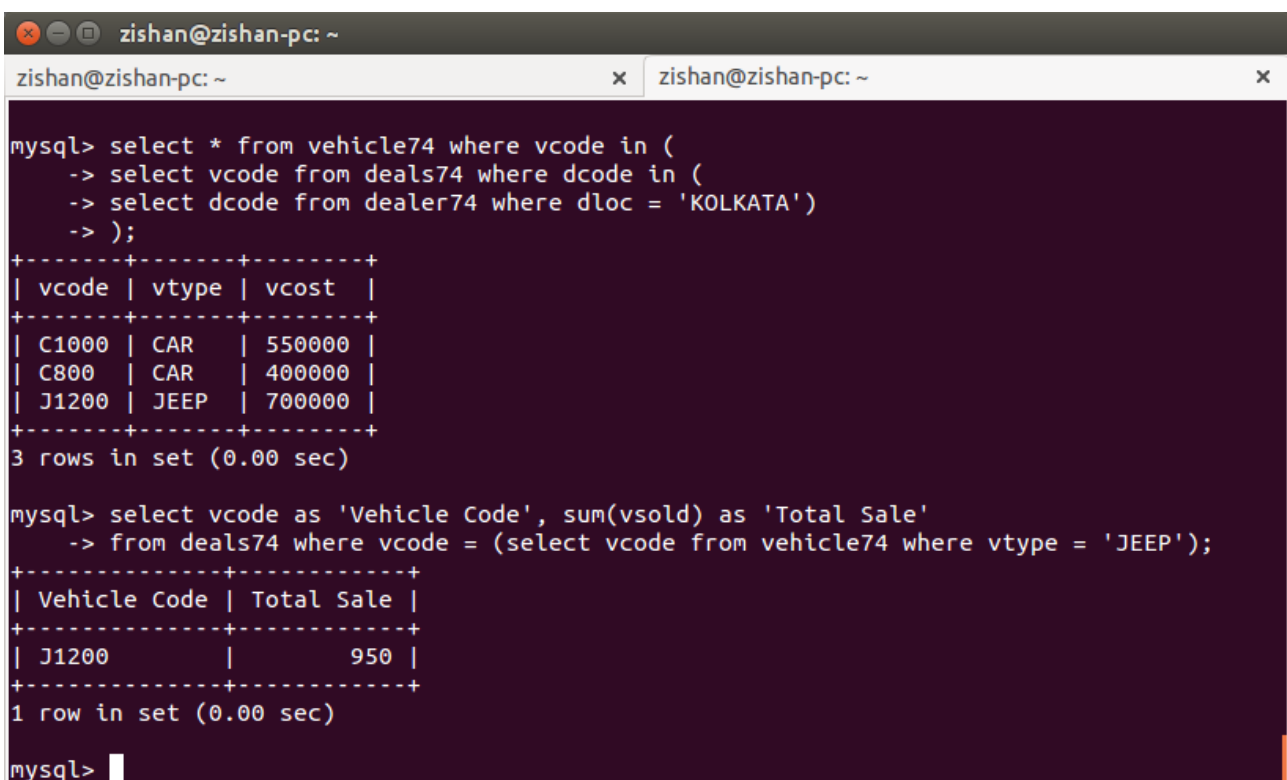
vcode	vtype	vcost
C1000	CAR	550000
C800	CAR	400000
J1200	JEEP	700000

3 rows in set (0.00 sec)

```
mysql>
```

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');
```



The image shows a terminal window with two tabs, both titled 'zishan@zishan-pc: ~'. The terminal displays two MySQL queries and their results.

The first query is:

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

The result is a table with 3 rows:

vcode	vtype	vcost
C1000	CAR	550000
C800	CAR	400000
J1200	JEEP	700000

3 rows in set (0.00 sec)

The second query is:

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

The result is a table with 1 row:

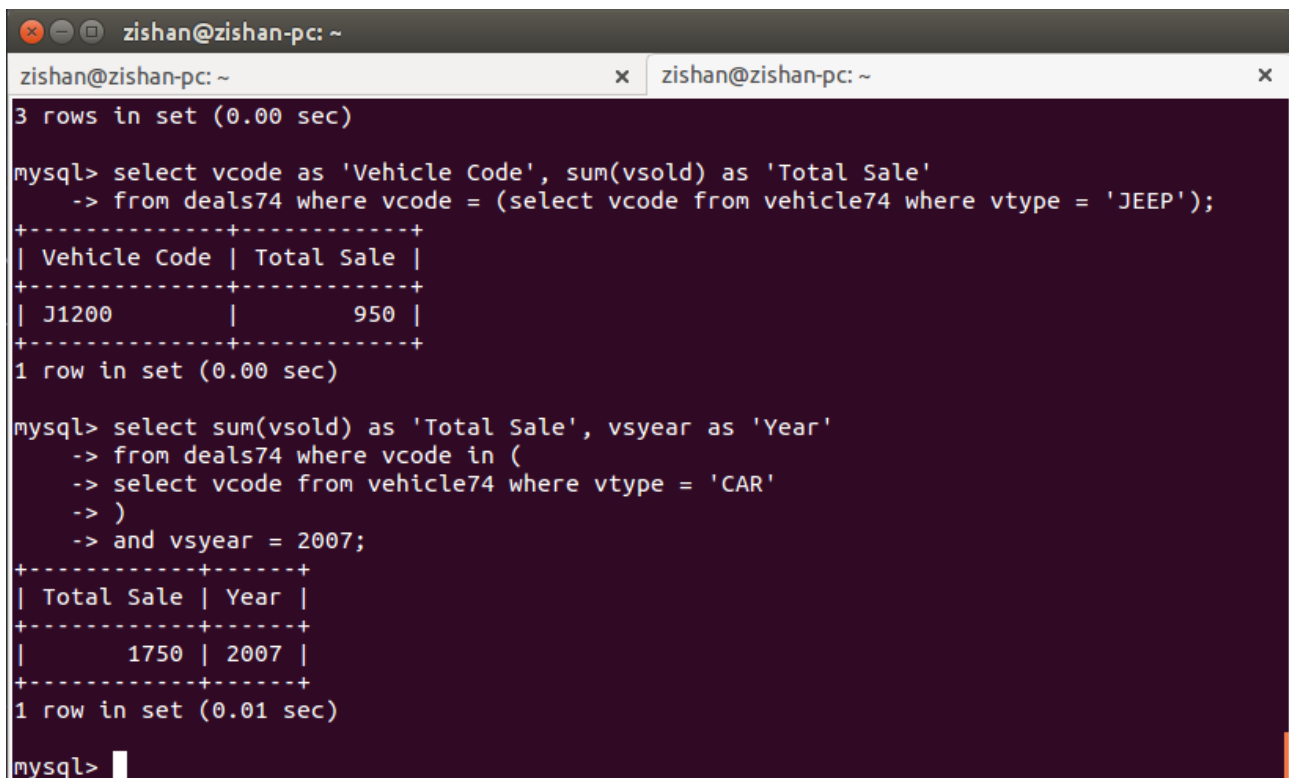
Vehicle Code	Total Sale
J1200	950

1 row in set (0.00 sec)

The terminal prompt 'mysql>' is visible at the bottom.

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;
```



The screenshot shows a terminal window with a dark background. At the top, there are window control buttons and the title 'zishan@zishan-pc: ~'. Below the title bar, there are two tabs, both labeled 'zishan@zishan-pc: ~'. The terminal content shows the execution of two SQL queries. The first query filters for 'JEEP' vehicles, returning one row with vehicle code 'J1200' and a total sale of 950. The second query filters for 'CAR' vehicles in the year 2007, returning one row with a total sale of 1750.

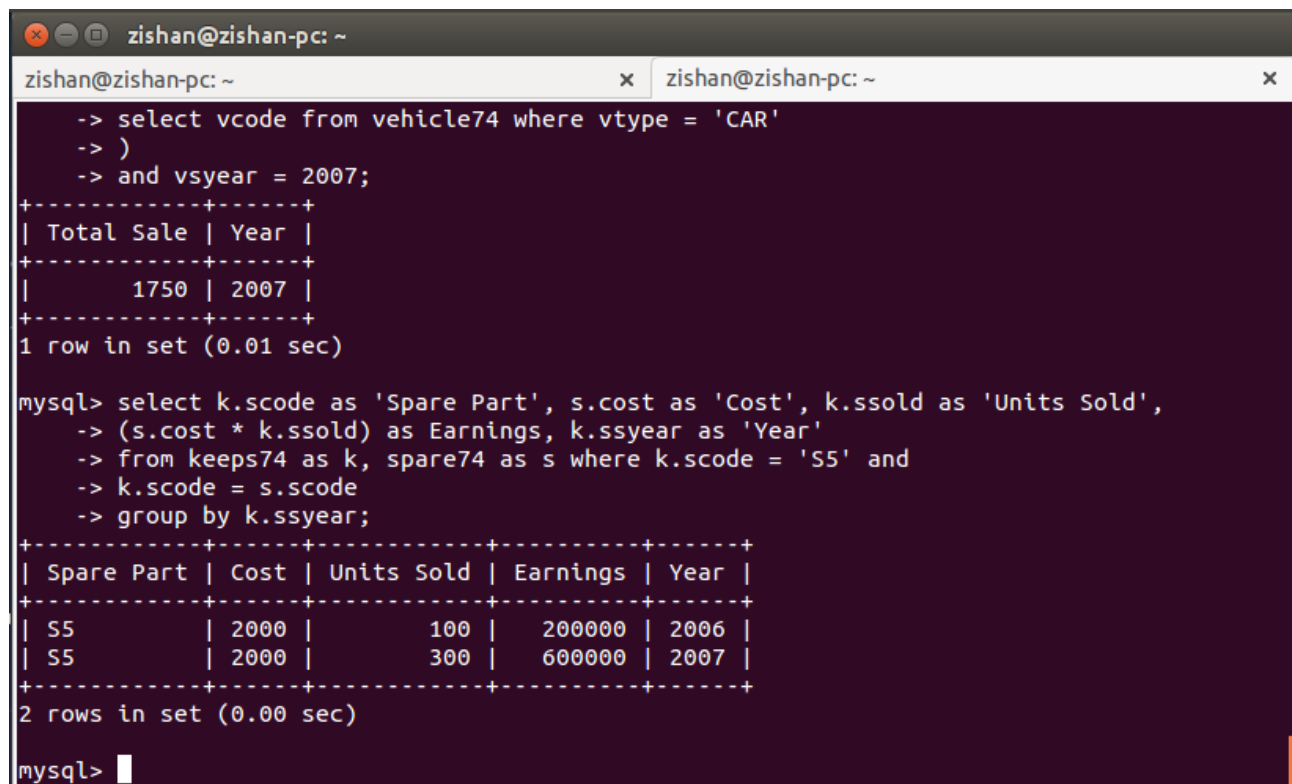
```
zishan@zishan-pc: ~
mysql> select vcode as 'Vehicle Code', sum(vsold) as 'Total Sale'
-> -> from deals74 where vcode = (select vcode from vehicle74 where vtype = 'JEEP');
+-----+-----+
| Vehicle Code | Total Sale |
+-----+-----+
| J1200        |          950 |
+-----+-----+
1 row in set (0.00 sec)

mysql> select sum(vsold) as 'Total Sale', vsyear as 'Year'
-> -> from deals74 where vcode in (
-> -> select vcode from vehicle74 where vtype = 'CAR'
-> -> )
-> -> and vsyear = 2007;
+-----+-----+
| Total Sale | Year |
+-----+-----+
|         1750 | 2007 |
+-----+-----+
1 row in set (0.01 sec)

mysql>
```

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.syear as 'Year'  
from keeps74 as k, spare74 as s where k.scode = 'S5' and  
       k.scode = s.scode  
group by k.syear;
```



The screenshot shows a terminal window with a dark background. At the top, there are window control buttons and the text 'zishan@zishan-pc: ~'. Below this, there are two tabs, both labeled 'zishan@zishan-pc: ~'. The terminal content shows a series of MySQL commands and their outputs. The first command is a query to select 'vcode' from 'vehicle74' where 'vtype' is 'CAR' and 'vsyear' is 2007. The output is a single row with 'Total Sale' of 1750 for the year 2007. The second command is a query to select 'Spare Part', 'Cost', 'Units Sold', 'Earnings', and 'Year' from 'keeps74' and 'spare74' where 'Spare Part' is 'S5' and 'k.scode' equals 's.scode', grouped by 'k.syear'. The output is a table with two rows: one for 2006 with 100 units sold and 200,000 earnings, and one for 2007 with 300 units sold and 600,000 earnings.

```
zishan@zishan-pc: ~  
zishan@zishan-pc: ~ x zishan@zishan-pc: ~ x  
-> select vcode from vehicle74 where vtype = 'CAR'  
-> )  
-> and vsyear = 2007;  
+-----+-----+  
| Total Sale | Year |  
+-----+-----+  
|      1750 | 2007 |  
+-----+-----+  
1 row in set (0.01 sec)  
  
mysql> select k.scode as 'Spare Part', s.cost as 'Cost', k.ssold as 'Units Sold',  
-> (s.cost * k.ssold) as Earnings, k.syear as 'Year'  
-> from keeps74 as k, spare74 as s where k.scode = 'S5' and  
-> k.scode = s.scode  
-> group by k.syear;  
+-----+-----+-----+-----+-----+  
| Spare Part | Cost | Units Sold | Earnings | Year |  
+-----+-----+-----+-----+-----+  
| S5         | 2000 |      100 | 200000 | 2006 |  
| S5         | 2000 |      300 | 600000 | 2007 |  
+-----+-----+-----+-----+-----+  
2 rows in set (0.00 sec)  
  
mysql> 
```

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;
```

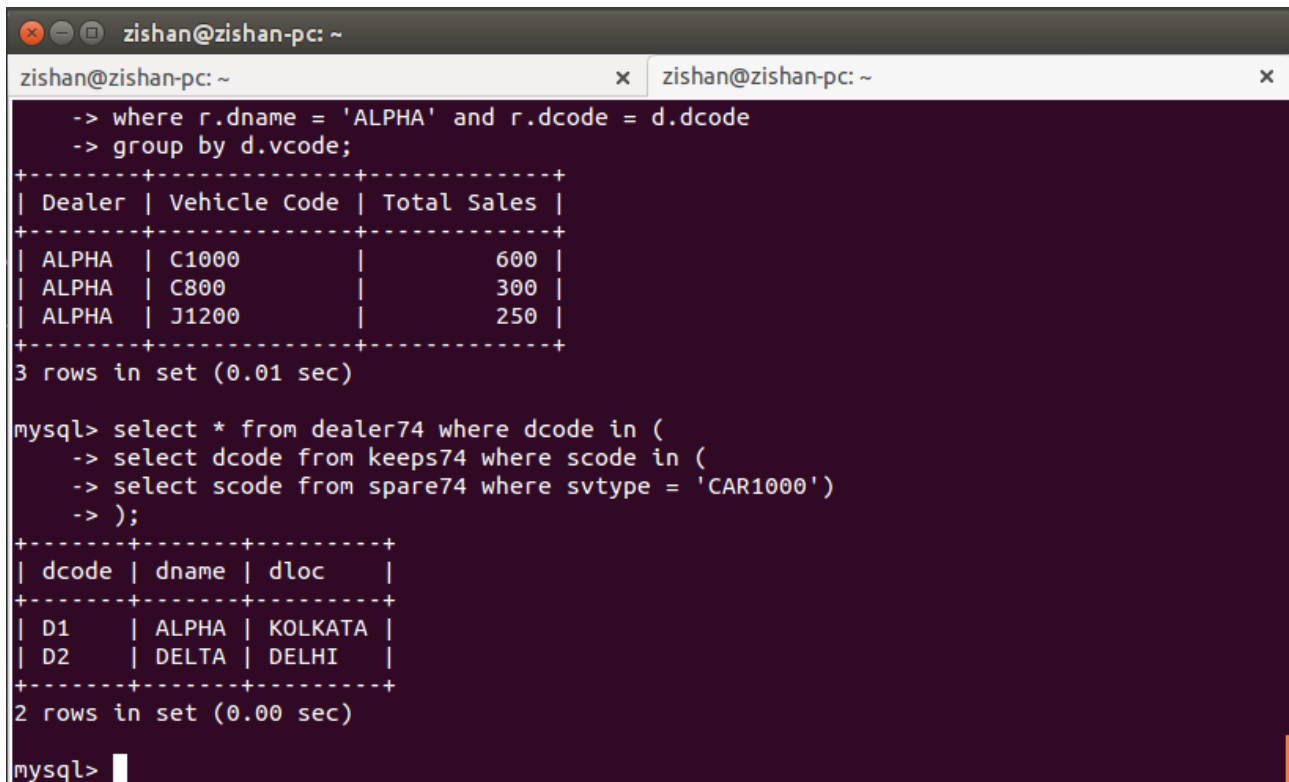


The image shows a terminal window with two tabs, both titled 'zishan@zishan-pc: ~'. The first tab shows a query result for a table with columns: Spare Part, Cost, Units Sold, Earnings, and Year. The second tab shows a MySQL query result for the total sales of vehicles by dealer ALPHA.

```
-> k.scode = s.scode  
-> group by k.syear;  
+-----+-----+-----+-----+-----+  
| Spare Part | Cost | Units Sold | Earnings | Year |  
+-----+-----+-----+-----+-----+  
| S5         | 2000 | 100        | 2000000  | 2006 |  
| S5         | 2000 | 300        | 6000000  | 2007 |  
+-----+-----+-----+-----+-----+  
2 rows in set (0.00 sec)  
  
mysql> 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;  
+-----+-----+-----+  
| Dealer | Vehicle Code | Total Sales |  
+-----+-----+-----+  
| ALPHA  | C1000        | 600         |  
| ALPHA  | C800         | 300         |  
| ALPHA  | J1200        | 250         |  
+-----+-----+-----+  
3 rows in set (0.01 sec)  
  
mysql> 
```


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')  
);
```

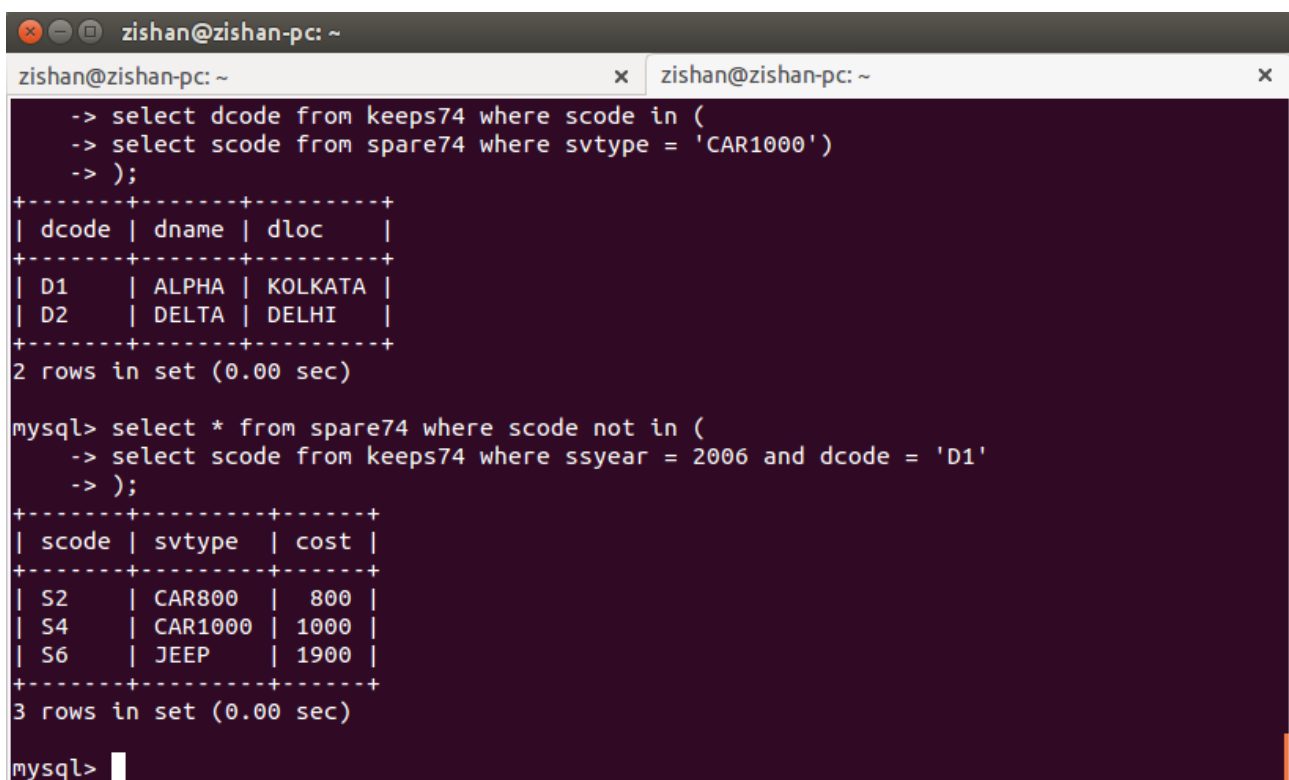


The image shows a terminal window with a MySQL prompt. The user has executed two queries. The first query filters for dealer 'ALPHA' and shows its vehicle codes and total sales. The second query is a subquery that finds dealers selling 'CAR1000' spare parts.

```
zishan@zishan-pc: ~  
mysql> -> where r.dname = 'ALPHA' and r.dcode = d.dcode  
-> group by d.vcode;  
+-----+-----+-----+  
| Dealer | Vehicle Code | Total Sales |  
+-----+-----+-----+  
| ALPHA | C1000        | 600         |  
| ALPHA | C800         | 300         |  
| ALPHA | J1200        | 250         |  
+-----+-----+-----+  
3 rows in set (0.01 sec)  
  
mysql> select * from dealer74 where dcode in (  
-> select dcode from keeps74 where scode in (  
-> select scode from spare74 where svtype = 'CAR1000')  
-> );  
+-----+-----+-----+  
| dcode | dname | dloc  |  
+-----+-----+-----+  
| D1    | ALPHA | KOLKATA |  
| D2    | DELTA | DELHI   |  
+-----+-----+-----+  
2 rows in set (0.00 sec)  
  
mysql>
```

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'  
);
```



The image shows a terminal window with a dark background. At the top, there are two tabs labeled 'zishan@zishan-pc: ~'. The terminal displays two SQL queries and their results. The first query selects dealer codes from the 'keeps74' table. The second query selects spare details from the 'spare74' table, excluding those sold by dealer D1 in 2006. The results are displayed in a table format with headers and data rows.

```
-> select dcode from keeps74 where scode in (  
-> select scode from spare74 where svtype = 'CAR1000')  
-> );  
+-----+-----+  
| dcode | dname | dloc  |  
+-----+-----+  
| D1    | ALPHA | KOLKATA |  
| D2    | DELTA | DELHI  |  
+-----+-----+  
2 rows in set (0.00 sec)  
  
mysql> select * from spare74 where scode not in (  
-> select scode from keeps74 where ssyear = 2006 and dcode = 'D1'  
-> );  
+-----+-----+-----+  
| scode | svtype  | cost |  
+-----+-----+-----+  
| S2    | CAR800  | 800  |  
| S4    | CAR1000 | 1000 |  
| S6    | JEEP    | 1900 |  
+-----+-----+-----+  
3 rows in set (0.00 sec)  
  
mysql> 
```