ASSIGNMENT NO 4

1) Find out the name, qualification from Faculty table where ccode is ‘ora'.

```
MYSQL> select name,qual from faculty where faccode in(select faccode from
coursesfaculty where
  2  ccode='ora');

NAME                           QUAL
------------------------------ ------------------------------
H.N.Charate                    MSC computer Science
```

2) To display the details of Faculty member who have not taken any batches in the last months.

```
MYSQL> select * from faculty where faccode not in (select faccode from batches where
  2  months_between(sysdate,stdate)>=3);

FACCO NAME                           QUAL
----- ------------------------------ ------------------------------
EXP
--------------------
SEP   Seema Patil                    MSC computer Science
3 Years
```

3) Find out the query which display the details of batches that are taken by faculty with qualification 'MS' or the courses fee is more than 5000.

```
MYSQL> select * from batches where faccode in(select faccode from faculty where
qual
  2  like'%MS')or ccode in(select ccode from courses where fee>5000);

BCODE CCODE FACCO STDATE    ENDDATE       TIMING
----- ----- ----- --------- --------- ----------
B1    ora   HNC   20-JUL-17 20-AUG-17          1
B4    java  RP    20-JUL-17 20-AUG-17          3
B6    vbnet RP    15-JAN-17 15-MAR-17          3
B7    c     SP    15-JUL-15 15-SEP-17          1
B3    asp   SP    15-JAN-17 15-MAR-17          1
```

4) To display the details of student who belongs to the batches that are taken by Faculty with qualification.

MYSQL> select rollno,name,bcode from student3 where bcode in(select bcode from batches where

2 faccode in(select faccode from faculty where qual like '%MS%'));

ROLLNO	NAME	BCODE
2	Vaibhav Chavan	B2
3	Indrayani Upadhue	B3
5	Divya kadam	B5
7	Avi	B7
1	Rushi Desai	B1

5) To display the details of batches that have taken maximum duration among the batches of some courses,

MYSQL> select * from batches where (ccode,enddate)in(select ccode,max(enddate)from batches group by ccode);

BCODE	CCODE	FACCO	STDATE	ENDDATE	TIMING
B1	ora	HNC	20-JUL-17	20-AUG-17	1
B2	asp	HNC	20-JAN-17	20-MAR-17	2
B4	java	RP	20-JUL-17	20-AUG-17	3
B5	xml	SC	15-JUL-17	20-AUG-17	2
B6	vbnet	RP	15-JAN-17	15-MAR-17	3
B7	c	SP	15-JUL-15	15-SEP-17	1

6 rows selected.

6) To display the details of courses that has highest courses fee.

MYSQL> select ccode,name,fee from courses where fee=(select max(fee)from courses);

CCODE	NAME	FEE
java	JAVA Programming	6500

7) The following UPDATE command increases the fee of the courses if more than 1 batches have started for the course.

Before Update

CCODE	NAME	DURATION	FEE

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

PREREQUISITE

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ora Oracle database 25 6000

Windows

vbnet V.B.Net 30 5500

Programming

asp ASP.Net 25 5000

Programming

c C Programming 20 4000

Basic Computer

java JAVA Programming 25 6500

C-Language

xml XMLProgramming 15 4500

html,scripting

6 rows selected.

MYSQL> update courses set fee=fee *0.15 where ccode in(select ccode from batches group by ccode

2 having count(*)=1);

4 rows updated.

After Update

MYSQL> select * from Courses;

CCODE NAME DURATION FEE

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

PREREQUISITE

----

ora Oracle database 25 900

Windows

vbnet V.B.Net 30 825

Programming

asp ASP.Net 25 5000

Programming

c C Programming 20 600

Basic Computer

java JAVA Programming 25 975

C-Language

xml XMLProgramming 15 4500

html,scirpting

6 rows selected.

8) Find out DELETE command uses subquery is where clause to batches for which there are no student.

Before

MYSQL> select * from batches;

BCODE CCODE FACCO STDATE ENDDATE TIMING

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

B1 ora HNC 20-JUL-17 20-AUG-17 1

B2 asp HNC 20-JAN-17 20-MAR-17 2

B4 java RP 20-JUL-17 20-AUG-17 3

B5 xml SC 15-JUL-17 20-AUG-17 2

B6 vbnet RP 15-JAN-17 15-MAR-17 3

B7 c SP 15-JUL-15 15-SEP-17 1

B3 asp SP 15-JAN-17 15-MAR-17 1

B8 xml RP 25-JUL-11 01-SEP-14 2

8 rows selected.

MYSQL> delete from batches where bcode not in(select bcode from student3);

1 row deleted.

After

MYSQL> select * from batches;

BCODE CCODE FACCO STDATE ENDDATE TIMING

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

B1 ora HNC 20-JUL-17 20-AUG-17 1

B2 asp HNC 20-JAN-17 20-MAR-17 2

B4 java RP 20-JUL-17 20-AUG-17 3

B5 xml SC 15-JUL-17 20-AUG-17 2

B6 vbnet RP 15-JAN-17 15-MAR-17 3

B7 c SP 15-JUL-15 15-SEP-17 1

B3 asp SP 15-JAN-17 15-MAR-17 1

7 rows selected.

9) Find out subquery in which create a new table from an existing table.

MYSQL> create table new_batches as select bcode, FACCODE, stdate, timing from batches where stdate>sysdate;

Table created.

MYSQL> desc new_batches;

Name	Null?	Type
BCODE		VARCHAR2(5)
FACCODE		VARCHAR2(5)
STDATE		DATE
TIMING		NUMBER(1)

10) Find out update command to update Fac Code of batches B7 to the Faculty code of the batch B1.

Before

MYSQL> select * from batches;

BCODE	CCODE	FACCO	STDATE	ENDDATE	TIMING
B1	ora	HNC	20-JUL-17	20-AUG-17	1
B2	asp	HNC	20-JAN-17	20-MAR-17	2
B4	java	RP	20-JUL-17	20-AUG-17	3
B5	xml	SC	15-JUL-17	20-AUG-17	2
B6	vbnet	RP	15-JAN-17	15-MAR-17	3
B7	c	SP	15-JUL-15	15-SEP-17	1
B3	asp	SP	15-JAN-17	15-MAR-17	1

7 rows selected.

MYSQL> update batches set faccode=(select faccode from batches where bcode='B1')where bcode='B6';

1 row updated.

After

MYSQL> select * from batches;

BCODE	CCODE	FACCO	STDATE	ENDDATE	TIMING
B1	ora	HNC	20-JUL-17	20-AUG-17	1

B2 asp HNC 20-JAN-17 20-MAR-17 2

B4 java RP 20-JUL-17 20-AUG-17 3

B5 xml SC 15-JUL-17 20-AUG-17 2

B6 vbnet HNC 15-JAN-17 15-MAR-17 3

B7 c SP 15-JUL-15 15-SEP-17 1

B3 asp SP 15-JAN-17 15-MAR-17 1

B8 xml RP 25-JUL-11 01-SEP-14 2

8 rows selected.

11) Find out co-related subquery where we get third highest course fee.

MYSQL> select name ,fee from courses c_1 where 2=(select count(*)from courses where

2 fee>c_1.fee);

NAME FEE

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

JAVA Programming 975

12) Find out the query uses order by clause of subquery of retrieve courses in the ascending order of fee which the query retrieves only first rows of the subquery.

MYSQL> select * from(select ccode,name,fee from courses order by fee)where rownum<3;

CCODE NAME FEE

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

c C Programming 600

vbnet V.B.Net 825