**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

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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

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EXP

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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

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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

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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

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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

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PREREQUISITE

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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

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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

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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

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c C Programming 600

vbnet V.B.Net 825