**Ex.No : 12**

**Simple programming exercise using(REPEAT, WHILE )**

**Questions:**

1. Find the courses which have taken by students.

mysql> select \* from course;

+-----------+---------------+-------------+--------+---------+--------+

| course\_no | course\_desc | course\_type | sem\_no | hall\_no | fac\_no |

+-----------+---------------+-------------+--------+---------+--------+

| c1 | dbms | c | 2 | 3 | f1 |

| c2 | ds | c | 1 | 4 | f2 |

| c3 | networks | c | 3 | 5 | f3 |

| c4 | r programming | c | 1 | NULL | f2 |

+-----------+---------------+-------------+--------+---------+--------+

4 rows in set (0.00 sec)

mysql> select \* from student;

+-----------+----------+--------+------------+------------+---------+-------+-----------+

| reg\_no | name | gender | dob | mobile\_no | city | score | course\_no |

+-----------+----------+--------+------------+------------+---------+-------+-----------+

| 192125114 | aashrita | f | 2004-06-29 | 8374170743 | vizag | 95 | C001 |

| 192110258 | kalyan | m | 2001-10-08 | 6305966742 | kurnool | 95 | C002 |

| 192122001 | Reeya | f | 2004-07-28 | 9866460996 | delhi | 45 | C003 |

+-----------+----------+--------+------------+------------+---------+-------+-----------+

3 rows in set (0.00 sec)

mysql> select course\_no from course where exists(select reg\_no from student where course.course\_no=student.course\_no);

Empty set (0.00 sec)

1. Find the faculties to whom courses are assigned.

mysql> select \* from faculty;

+--------+----------+--------+------------+------------+------------+---------+--------+

| fac\_no | fac\_name | gender | dob | doj | mobile\_no | dept\_no | salary |

+--------+----------+--------+------------+------------+------------+---------+--------+

| 101 | prithvi | m | 1999-10-25 | 2020-10-30 | 8555953536 | d1 | 12987 |

| 102 | asha | f | 1970-06-15 | 2004-06-29 | 9666560996 | d2 | 56789 |

| 103 | sudhakar | m | 1966-03-24 | 1989-07-07 | 9848460996 | d1 | NULL |

+--------+----------+--------+------------+------------+------------+---------+--------+

3 rows in set (0.00 sec)

mysql> select \* from course;

+-----------+---------------+-------------+--------+---------+--------+

| course\_no | course\_desc | course\_type | sem\_no | hall\_no | fac\_no |

+-----------+---------------+-------------+--------+---------+--------+

| c1 | dbms | c | 2 | 3 | f1 |

| c2 | ds | c | 1 | 4 | f2 |

| c3 | networks | c | 3 | 5 | f3 |

| c4 | r programming | c | 1 | NULL | f2 |

+-----------+---------------+-------------+--------+---------+--------+

4 rows in set (0.00 sec)

mysql> select fac\_no from faculty where fac\_no=any(select fac\_no from course);

Empty set (0.00 sec)

1. Find the d1 dept employess whose salary is greater than all the d2 dept employees salaries.

mysql> select\*from faculty;

+--------+----------+--------+------------+------------+------------+---------+--------+

| fac\_no | fac\_name | gender | dob | doj | mobile\_no | dept\_no | salary |

+--------+----------+--------+------------+------------+------------+---------+--------+

| 101 | prithvi | m | 1999-10-25 | 2020-10-30 | 8555953536 | d1 | 12987 |

| 102 | asha | f | 1970-06-15 | 2004-06-29 | 9666560996 | d2 | 56789 |

| 103 | sudhakar | m | 1966-03-24 | 1989-07-07 | 9848460996 | d1 | NULL |

+--------+----------+--------+------------+------------+------------+---------+--------+

3 rows in set (0.00 sec)

mysql> select fac\_no from faculty where salary>all(select salary from faculty where dept\_no='d2');

Empty set (0.00 sec)