Ex.No : 12

Sql statement with exists,any,all

Questions

Find the courses which have taken by students OUTPUTS

mysql> select \* from course;

+----------+------------+------------+-------+--------+-------+ |

courseno | coursedesc | coursetype | semno | hallno | facno |

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

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

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

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

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

3 rows in set (0.00 sec)

mysql> select \* from student;

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

| regno | name | gender | dob | mobileno | city | courseno |

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

| 123 | bino | m | 2022-09-08 | 1234567891 | chennai | c1 |

| 124 | ram | m | 2004-09-08 | 1231231231 | bangalore | c1 |

| 125 | nisha | f | 2008-09-18 | 1131231231 | hyderabad | c2 |

| 191 | ganga | f | 2002-02-22 | 1423123423 | cochin | c2 |

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

4 rows in set (0.00 sec)

mysql> select courseno from course where exists(select regno from student where

course.courseno=student.courseno);

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

| courseno |

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

| c1 |

| c2 |

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

2 rows in set (0.04 sec)

2.Find the Faculties to whom courses are assigned

mysql> select \* from faculty;

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

| facno | facname | gender | dob | doj | mobileno | deptno |

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

| f1 | kavya | f | 2003-12-12 | 2022-06-07 | 1233214566 | d1 |

| f2 | kamu | m | 1997-08-07 | 2021-03-04 | 222345521 | d2 |

| f3 | murugan | m | 1998-07-07 | 2020-09-08 | 1223234445 | d1 |

| f4 | kannan | m | 2001-10-01 | 2022-06-07 | 1233214563 | d2 |

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

4 rows in set (0.00 sec)

mysql> select \* from course;

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

| courseno | coursedesc | coursetype | semno | hallno | facno |

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

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

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

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

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

3 rows in set (0.00 sec)

mysql> select facno from faculty where facno =any(select facno from course);

+-------+

| facno |

+-------+

| f1 |

| f3 |

| f2 |

+-------+

3 rows in set (0.10 sec)

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

mysql> select \* from faculty;

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

| facno | facname | gender | dob | doj | mobileno | deptno | salary |

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

| f1 | kavya | f | 2003-12-12 | 2022-06-07 | 9841278965 | d1 | 99000 |

| f2 | kamu | m | 1997-08-07 | 2021-03-04 | 9842732965 | d2 | 56789 |

| f3 | murugan | m | 1998-07-07 | 2020-09-08 | 8842732965 | d1 | 13000 |

| f4 | kannan | m | 2001-10-01 | 2012-09-09 | 7842732965 | d2 | 67000 |

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

4 rows in set (0.00 sec)

mysql> select facno from faculty where salary >all (select salary from faculty where deptno='d2');

+-------+

| facno |

+-------+

| f1 |

+-------+

1 row in set (0.00 sec)