EX.NO 3

mysql> select \* from student;

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

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

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

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

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

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

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

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

4 rows in set (0.00 sec)

1. Delete the record in the table FACULTY, who resigned her job.

mysql> delete from faculty where facname='kalai';

Query OK, 1 row affected (0.04 sec)

mysql> select \* from faculty;

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

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

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

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

| f3 | murugan | m | 1999-07-07 | 2020-09-08 | 1223234445 | d1 |

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

2 rows in set (0.00 sec)

1. Modify the date of birth for the faculty whose name is 'RAM' with a value ‘1983-05-01’

2 rows in set (0.00 sec)

mysql> select \* from faculty;

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

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

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

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

| f3 | murugan | m | 1999-07-07 | 2020-09-08 | 1223234445 | d1 |

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

2 rows in set (0.00 sec)

mysql> update faculty set dob='1998-07-07' where facname='murugan' and dob='1999-07-07';

Query OK, 1 row affected (0.04 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select \* from faculty;

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

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

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

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

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

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

1. Remove all faculty who are having over 65 years

mysql> select \* from faculty;

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

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

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

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

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

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

| f4 | kannan | m | 2001-10-01 | 2022-06-07 | 7842732965 | d2 |

| f5 | gopal | m | 1950-08-03 | 1975-11-13 | 9823412876 | d2 |

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

5 rows in set (0.00 sec)

mysql> delete from faculty where (datediff(month,curdate()-dob)>65);

ERROR 1054 (42S22): Unknown column 'month' in 'where clause'

mysql> delete from faculty where ((datediff(curdate(),dob)/365)>65);

Query OK, 1 row affected (0.05 sec)

mysql> select \* from faculty;

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

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

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

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

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

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

| f4 | kannan | m | 2001-10-01 | 2022-06-07 | 7842732965 | d2 |

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

4 rows in set (0.00 sec)

1. View all the records from the five tables.

mysql> select \* from department;

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

| deptno | deptname | depthead |

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

| d1 | cse | bala |

| d2 | ece | logu |

| d3 | eee | sona |

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

3 rows in set (0.00 sec)

**Ex.No 4 SELECT with various clause – WHERE, pattern matching**

**Questions:**

1.The student counsellor wanted to display the registration number, student name and date of birth for all the students.

mysql> select regno,name,dob from student;

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

| regno | name | dob |

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

| 123 | bino | 2022-09-08 |

| 124 | ram | 2004-09-08 |

| 125 | nisha | 2008-09-18 |

| 191 | ganga | 2002-02-22 |

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

4 rows in set (0.00 sec)

2.The controller of examinations wanted to list all the female students

mysql> select \* from student where gender='F';

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

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

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

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

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

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

2 rows in set (0.04 sec)

3.Who are the boy students registered for course with the course number “C1“

mysql> select \* from student where gender='m' and courseno='c1';

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

| 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 |

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

2 rows in set (0.00 sec)

4.Display all faculty details joined before “November 2014”

mysql> select facno from faculty where (extract(year\_month from doj)<extract(year\_month from '2014-11-01'));

+-------+

| facno |

+-------+

| f4 |

+-------+

1 row in set (0.00 sec)

mysql> select \* from faculty;

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

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

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

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

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

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

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

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

4 rows in set (0.00 sec)

5.Display all the courses not allotted to halls

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 |

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

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

4 rows in set (0.00 sec)

mysql> select courseno from course where hallno is null;

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

| courseno |

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

| c4 |

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

1 row in set (0.00 sec)



6.List the students whose name ends with the substring “ma”

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

mysql> select \* from student;

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

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

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

| 124 | reshma | 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 regno from student where name like '%ma';

+-------+

| regno |

+-------+

| 124 |

+-------+

1 row in set (0.07 sec)

7.Display all students whose name contains the substring “ma”

+-------+

mysql> select regno from student where name like '%ma%';

| regno |

+-------+

| 123 |

| 124 |

+-------+

2 rows in set (0.00 sec)

8.Find all the students who are located in cities having “Sal” as substring

mysql> select \* from student;

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

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

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

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

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

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

| 191 | sathish | f | 2002-02-22 | 1423123423 | salem | c2 |

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

4 rows in set (0.00 sec)

mysql> select \* from student where city like '%sal%';

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

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

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

| 191 | sathish | f | 2002-02-22 | 1423123423 | salem | c2 |

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

1 row in set (0.00 sec)

9.Display the students whose names do not contain six letters.

mysql> select \* from student where name not like '\_\_\_\_\_\_';

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

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

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

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

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

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

2 rows in set (0.04 sec)

10.Find all the students whose names contains “th”

mysql> select \* from student;

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

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

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

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

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

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

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

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

4 rows in set (0.00 sec)

mysql> select \* from student where name like '%th%';

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

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

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

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

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

1 row in set (0.00 sec)