**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 name,regno,dob from student;

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

| name | regno | dob |

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

| reshma | 123 | 2003-09-29 |

| salma | 345 | 2007-09-08 |

| priya | 987 | 2003-07-17 |

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

3 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 |

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

| 123 | reshma | f | 2003-09-29 | 123456789 | tirupathi |

| 345 | salma | f | 2007-09-08 | 987654321 | kadiri |

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

2 rows in set (0.00 sec)

3.Who are the boy students registered for course with the course number “C001“

mysql> select \* from student;

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

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

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

| 123 | reshma | f | 2003-09-29 | 123456789 | tirupathi | c1 |

| 345 | salma | f | 2007-09-08 | 987654321 | kadiri | c2 |

| 987 | priya | m | 2003-07-17 | 900058289 | kalasamudhram | c2 |

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

3 rows in set (0.01 sec)

mysql> select courseno,name from student where gender="m";

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

| courseno | name |

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

| c2 | priya |

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

1 row 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    | kiran  | f      | 2003-12-12 | 2022-06-07 | 9841278965 | d1     |

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

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

| f4    | tharun | 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 | cse | c | 2 | 12 | f1 |

| c2 | ece | c | 4 | 7 | f2 |

| c3 | civil | c | 8 | 6 | f3 |

| c4 | it | c | 9 | 5 | f4 |

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

4 rows in set (0.01 sec)

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

mysql> select \* from student;

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

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

|   123 | kiran| m      | 2022-09-08 | 1234567891 | kocchi   | c1       |

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

|   125 | chandu  | m   | 2008-09-18 | 1131231231 | kalasamudram | c2       |

|   191 | mahi | m   | 2002-02-22 | 1423123423 | kadiri   | 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 | kiran | m      | 2022-09-08 | 1234567891 | chennai   | c1       |

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

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

|   191 | safreen| 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 | safreen| 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 | nawaz  | f      | 2008-09-18 | 1131231231 | hyderabad | c2       |

|   191 | safreen| 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 | kiran | m      | 2022-09-08 | 1234567891 | chennai   | c1       |

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

|   125 | nawaz  | m  | 2008-09-18 | 1131231231 | hyderabad | c2       |

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

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

1 row in set (0.00 sec)