

Ex. No.: 4

Date:

SELECT with various clause – WHERE, pattern matching

Questions:

WHERE:

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

1)

```
mysql> SELECT * FROM student;
```

sno	name	dept	age	DOB	Facno	gender
1	DHONI	cse	19	2000	7	M
2	virat	cse	19	2000	71	M
3	sindhu	cse	18	2001	71	F
4	VIJAY_DEVARAKONDA	cse	21	1998	3	M

4 rows in set (0.00 sec)

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

2)

```
mysql> select name from student where gender='f';
```

name
nani
ram

2. Who are the boy students registered for course with the course number "C001"

3)

```
mysql> select * from course;
```

courseno	coursedesc	coursetype	semno	hallno	Facno
1	prgm	u	2000	201	2001

1 row in set (0.00 sec)

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

```
4)
mysql> select * from course;
+-----+-----+-----+-----+-----+-----+
| courseno | coursedesc | coursetype | semno | hallno | Facno |
+-----+-----+-----+-----+-----+-----+
|          1 | prgm       | u          | 2000  | 201    | 2001   |
+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)
```

4. Display all the courses not allotted to hall

```
mysql> select * from course;
+-----+-----+-----+-----+-----+-----+
| courseno | coursedesc | coursetype | semno | hallno | Facno |
+-----+-----+-----+-----+-----+-----+
|          1 | prgm       | u          | 2000  | 201    | 2001   |
+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)
```

LIKE:

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

```
6)
mysql> select * from student where name like '%sh';
7)
```

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

```
7)
mysql> select * from student where name like 'ma%';
```

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

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

8)

```
mysql> SELECT * FROM student;
```

sno	name	dept	age	DOB	Facno	gender
1	DHONI	cse	19	2000	7	M
2	virat	cse	19	2000	71	M
3	sindhu	cse	18	2001	71	F
4	VIJAY_DEVARAKONDA	cse	21	1998	3	M

4 rows in set (0.00 sec)

9)

```
mysql> SELECT * FROM student;
```

sno	name	dept	age	DOB	Facno	gender
1	DHONI	cse	19	2000	7	M
2	virat	cse	19	2000	71	M
3	sindhu	cse	18	2001	71	F
4	VIJAY_DEVARAKONDA	cse	21	1998	3	M

4 rows in set (0.00 sec)

10)

10. Find all the students whose names contains "th"

10)

```
mysql> select * from student where 'name' like '%h';  
Empty set (0.00 sec)
```

