## **Practical-5**

Aim: Queries using Conversion functions, string functions, date functions, time functions, numeric functions.

1. Conversion Functions : Date Format()

**Query:** Select date\_format ("2022-04-04", "%M");



2. String Functions : Concat(), lpad(), rpad(), ltrim(), rtrim(), lower(),upper(),initcap(), length(), substr() and instr()

Query: (SELECT CONCAT('Purv', 'Joshi');)

(SELECT LPAD ("Purv Joshi", 20, "Hello");) (SELECT RPAD ("Purv Joshi", 20, "Hello");)

```
Query: (select ltrim(" Purv Joshi");),

(select rtrim("Purv Joshi ");),

(select lower ("PURV JOSHI");)
```

Query: select length ("welcome, Purv Joshi");

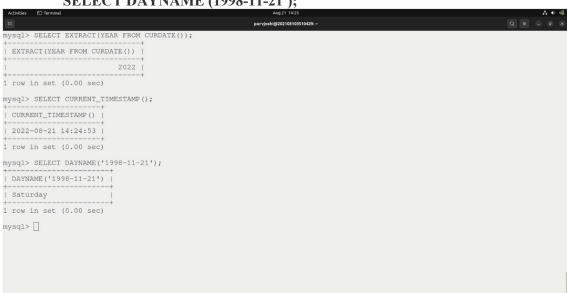
**Database Management System (CE4012)** 

select substr("Purv Joshi",3,4);
select instr("Purv Joshi",5);

3. Date Functions : add\_date(), curdate(), datediff(), extract(), current\_timestamp(), dayname()

**Query:** SELECT EXTRACT (YEAR FROM CURDATE()); SELECT CURRENT\_TIMESTAMP();

**SELECT DAYNAME (1998-11-21');** 



Query: SELECT ADDDATE (2015-09-05', INTERVAL 20 DAY);

**Database Management System (CE4012)** 

select curdate(); SELECT LAST DAY ('2019-05-25'); SELECT DATEDIFF (2015-09-05', '1989-03-25');



4. Time Functions: time\_format(), timediff(), to\_days(), time\_to\_sec(), timestamp(), sec\_to\_time(), localtime(), str\_to\_date(), utc\_time(), minute()

Query: SELECT TIME TO SEC ('05:15:40');

SELECT UTC TIME, UTC\_TIME();

SELECT MINUTE ('2009-05-18 10:15:21.000423');

Query: SELECT TIMESTAMP ('2022-08-15');



SELECT SEC\_TO\_TIME (3650);
SELECT LOCALTIME;



Query: SELECT TIME\_FORMAT('47:15:40', '%H %k %sh %I %l');

SELECT TIMEDIFF ('2009-05-18 10:45:57, 2009-05-18 3:40:50');

SELECT TO DAYS ('2009-05-18');

SELECT TIME TO SEC ('15:15:40');



5. Numeric Functions : abs(), sqrt(), least(), power(), greatest(), round(), mod()

**Database Management System (CE4012)** 

```
Query: select abs (-324.53);

select sqrt(124);

select least (43,54,1,2,36,7);

select power (3,6);
```

```
Addition | Terminal | Asg211400 | Purlys Migration | Purlys Migration
```

```
Query: select greatest (10, 24, 53, 17,3);
select round (123.43234,3);
select mod (36,5);
```

