**NAME** :- Atharva Bhupesh Sankhe.

**UID** :- 2022300095.

**BRANCH** :- Comps -B. **BATCH:** B.

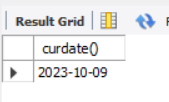
**EXPERIMENT 4:**

**SUBJECT** :- DBMS (DATABASE MANAGEMENT SYSTEM)

**TOPIC NO.1: Perform the date operation on given date and write the output:**

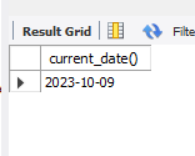
1. **curdate():**

select curdate();

****

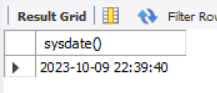
1. **currentdate():**

select current\_date();

****

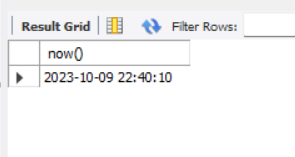
1. **sysdate():**

select sysdate();

****

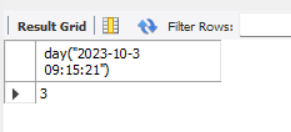
1. **now():**

select now();

****

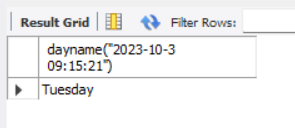
1. **day:**

select day("2023-10-3 09:15:21");

****

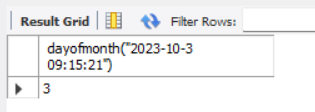
1. **dayname:**

select dayname("2023-10-3 09:15:21");

****

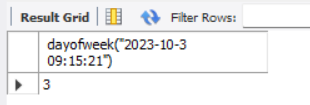
1. **dayofmonth:**

select dayofmonth("2023-10-3 09:15:21");

****

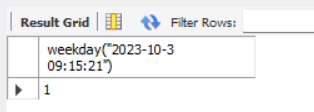
1. **dayofweek:**

select dayofweek("2023-10-3 09:15:21");

****

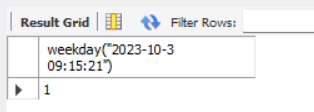
1. **weekday:**

select weekday("2023-10-3 09:15:21");

****

1. **year:**

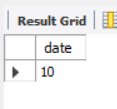
select year("2023-10-3 09:15:21");

****

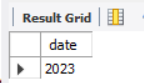
1. **extract function for date, extract the month,year,seconds,minutes,hour,day,week,**

**month,quarter:**

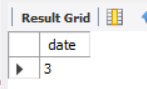
select extract(month from("2023-10-3"))as date;



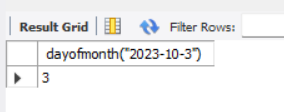
select extract(year from("2023-10-3"))as date;



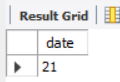
select extract(day from("2023-10-3"))as date;



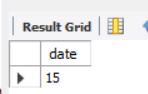
select dayofmonth("2023-10-3");



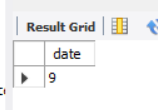
select extract(second from("2023-10-3 09:15:21"))as date;



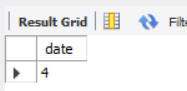
select extract(minute from("2023-10-3 09:15:21"))as date;



select extract(hour from("2023-10-3 09:15:21"))as date;

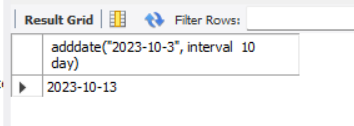


select extract(quarter from("2023-10-3 09:15:21"))as date;

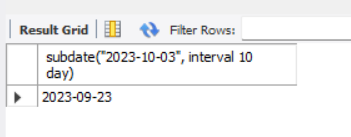


1. **Use adddate and subdate function:**

select adddate("2023-10-3", interval 10 day);



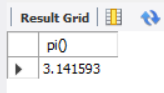
select subdate("2023-10-03", interval 10 day);



**TOPIC NO. 2: Use following arithmetic functions:**

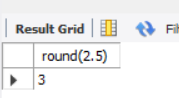
1. **PI():**

select pi();



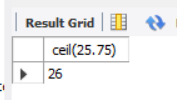
1. **Round():**

select round(2.5);



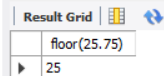
1. **CEIL():**

select ceil(2.5);



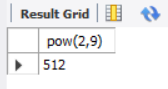
1. **Floor():**

select floor(2.5);



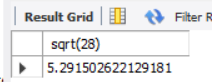
1. **Pow():**

select pow(2,9);



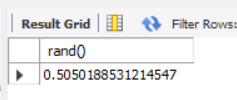
1. **SQRT():**

select sqrt(28);



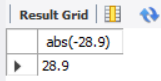
1. **RAND():**

select rand();



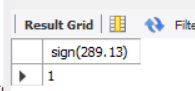
1. **ABS():**

select abs(-28.9);

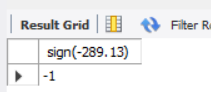


1. **SIGN():**

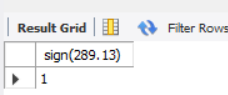
select sign(289.13);



select sign(-289.13);

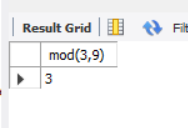


select sign(0);

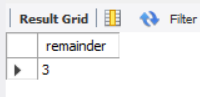


1. **MOD():**

select mod(3,9);



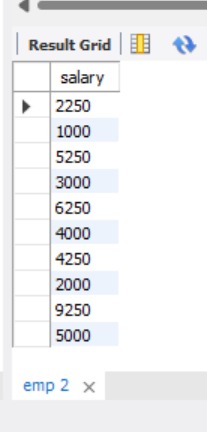
select mod(3,9) as remainder;



**TOPIC NO 3: Create EMP ( id, lname,fname,title,deptno , salary) table and insert 10 values in it and perform following queries on it.**

1. **Write a SQL query and show the resulting table of salaries if all warehouse manager were given  a Rs. 250 per month raise.**

update EMP set salary = salary + 250 where title="Manager";



1. **Write a SQL query and show the resulting table to display the amount each warehouse manager currently makes in a year and how much  each one would make in a year with the Rs.250 per month raise. name the new column appropriately.**

update EMP set annual\_income= (salary)\*12;

