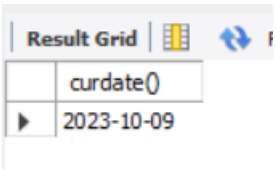
NAME :- Atharva Bhupesh Sankhe.
UID :- 2022300095.
BRANCH :- Comps -B. **BATCH:** B.
EXPERIMENT 4:
SUBJECT :- DBMS (DATABASE MANAGEMENT SYSTEM)

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

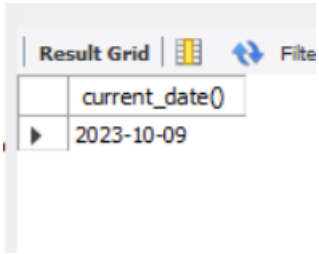
1. **curdate():**

select curdate();



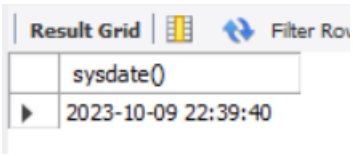
2. **currentdate():**

select current_date();



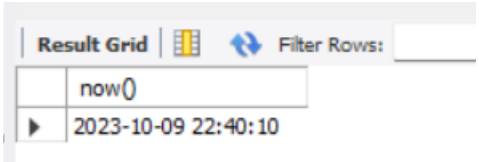
3. **sysdate():**

select sysdate();



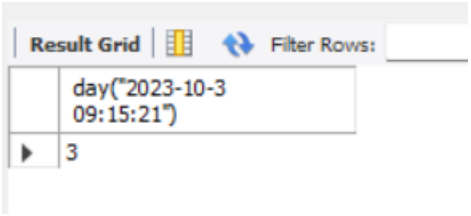
4. **now():**

select now();



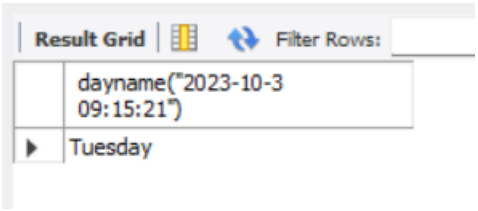
5. day:

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



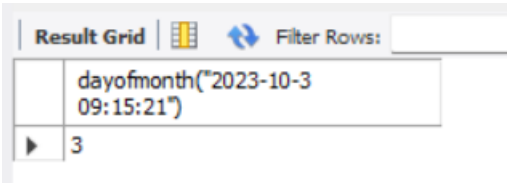
6. dayname:

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



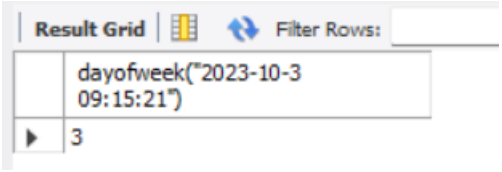
7. dayofmonth:

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



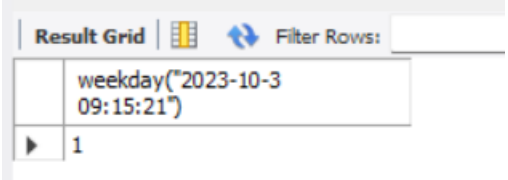
8. dayofweek:

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



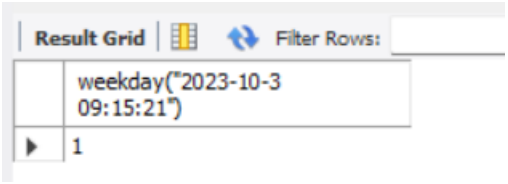
9. weekday:

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



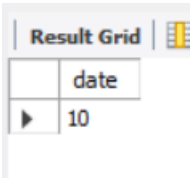
10. year:

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

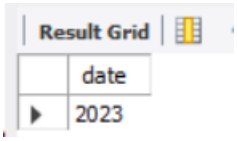


11. extract function for date, extract the month,year,seconds,minutes,hour,day,week, month,quarter:

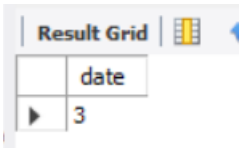
select extract(month from("2023-10-3"))as date;



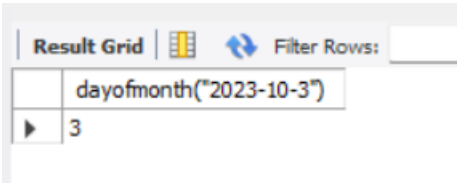
select extract(year from("2023-10-3"))as date;



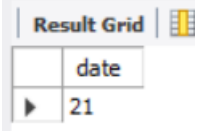
select extract(day from("2023-10-3"))as date;



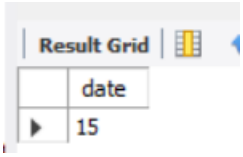
select dayofmonth("2023-10-3");



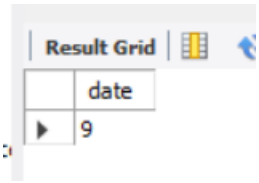
select extract(second from("2023-10-3 09:15:21"))as date;



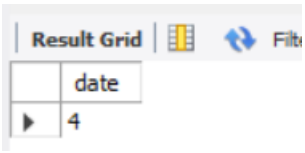
select extract(minute from("2023-10-3 09:15:21"))as date;



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

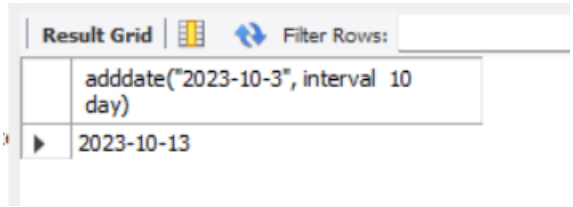


select extract(quarter from("2023-10-3 09:15:21"))as date;

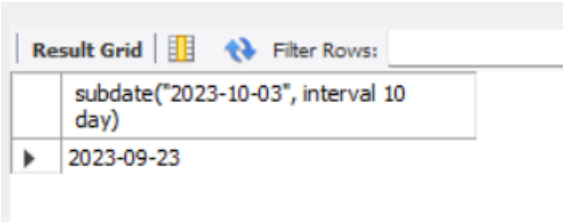


12. Use adddate and subdate function:

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



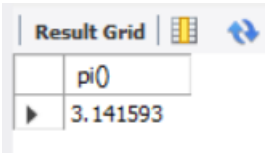
select subdate("2023-10-03", interval 10 day);



TOPIC NO. 2: Use following arithmetic functions:

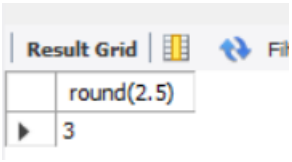
1. PI():

select pi();



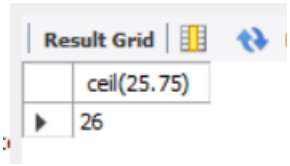
2. Round():

select round(2.5);



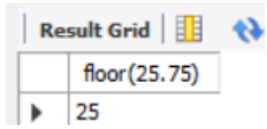
3. CEIL():

select ceil(2.5);



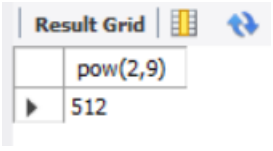
4. Floor():

select floor(2.5);



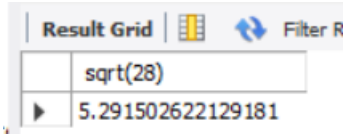
5. Pow():

select pow(2,9);



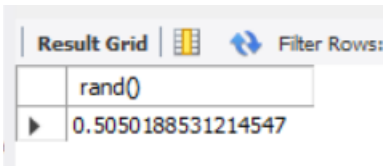
6. SQRT():

select sqrt(28);



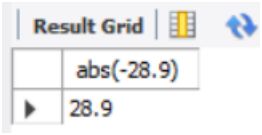
7. RAND():

select rand();



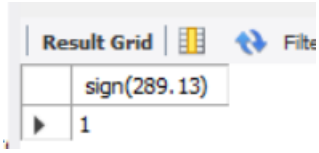
8. ABS():

select abs(-28.9);

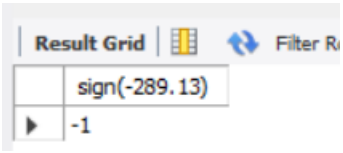


9. SIGN():

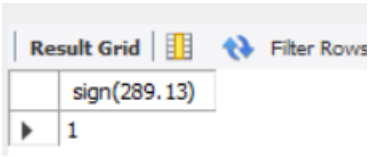
select sign(289.13);



select sign(-289.13);

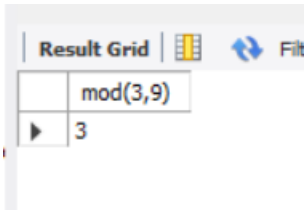


select sign(0);

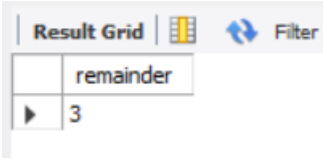


10. MOD():

select mod(3,9);



```
select mod(3,9) as remainder;
```

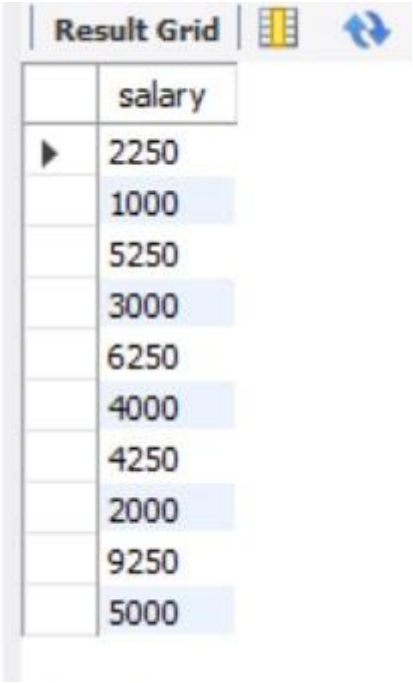


	remainder
▶	3

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

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

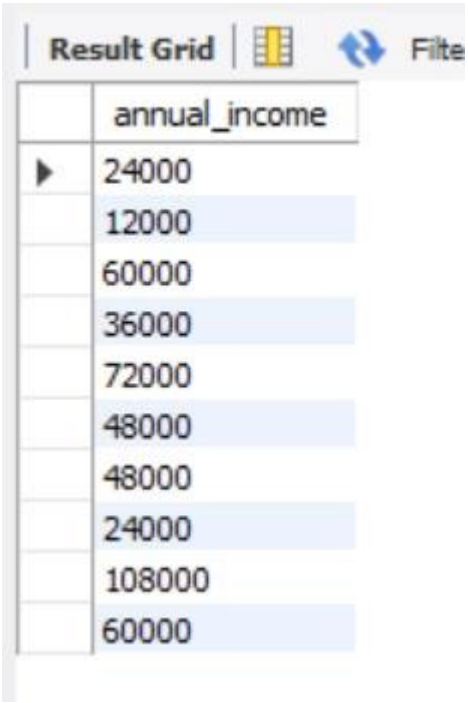
```
update EMP set salary = salary + 250 where title="Manager";
```



	salary
▶	2250
	1000
	5250
	3000
	6250
	4000
	4250
	2000
	9250
	5000

b. 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;



annual_income
24000
12000
60000
36000
72000
48000
48000
24000
108000
60000