# Lab Assignment-4

# Q1) Use the following functions $\rightarrow$

1. *chr* (*n*):

**Statement:** 

SELECT chr(60) from dual;

### **Output:**



2. cancat(char1,char2):

**Statement:** 

SELECT CONCAT('Prachi', 'Singhroha') from dual;

### **Output:**

```
CONCAT('PRACHI', 'SINGHROHA')

PrachiSinghroha
```

3. instr(string,char):

**Statement:** 

SELECT instr('Prachi', 'a') from dual;

### **Output:**

```
INSTR('PRACHI', 'A')

3

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```

4. length(n):

### **Statement:**

SELECT length('Singhroha') from dual;

### **Output:**



5. lpad(char1 ,n [,char2]):

### **Statement:**

 $SELECT\ lpad ('engineering', 25, 'computer')\ from\ dual;$ 

# **Output:**

```
LPAD('ENGINEERING',25,'COMPUTER')

computercomputengineering
```

6. ltrim(string [,char(s)]):

### **Statement:**

 $SELECT\ LTRIM('\quad DBMS\ assignment')\ from\ dual;$ 

# **Output:**

```
LTRIM('DBMSASSIGNMENT')

DBMS assignment

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```

7. rpad(char1 ,n [,char2]):

### **Statement:**

SELECT rpad('assignment', 12, '4') from dual;

# **Output:**

```
RPAD('ASSIGNMENT',12,'4')
assignment44
```

8. rtrim(string [,char(s)]):

### **Statement:**

SELECT RTRIM('Database management ') from dual;

# **Output:**

```
RTRIM('DATABASEMANAGEMENT')

Database management
```

 $9.\ replace(char\ ,search\_string\ ,\ replacement\_string):$ 

### **Statement:**

 $SELECT\ replace\ ('jogging',\ 'j',\ 't')\ from\ dual;$ 

# **Output:**

```
REPLACE('JOGGING','J','T')
togging
```

10. substr(string ,position ,substring length):

### **Statement:**

SELECT substr ('prachi', 1, 3) from dual;

### **Output:**

```
SUBSTR('PRACHI',1,3)

pra

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```

11. initcap(char):

### **Statement:**

SELECT initcap ('PRACHI') from dual;

### **Output:**

```
INITCAP('PRACHI')

Prachi

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```

12. lower(string):

### **Statement:**

SELECT lower ('PRACHI') from dual;

# **Output:**

LOWER('PRACHI')		
prachi		
D11 CCV		

13. upper(string):

**Statement:** 

SELECT upper('prachi') from dual;

# **Output:**



14. translate(char, from string, to string):

**Statement:** 

SELECT translate('ABCD', 'AC', 'ac') from dual;

# **Output:**

```
TRANSLATE('ABCD','AC','AC')

aBcD

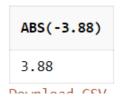
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```

15. abs(n):

**Statement:** 

SELECT abs(-3.88) from dual;

# **Output:**

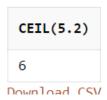


*16. ceil(n):* 

**Statement:** 

SELECT ceil(5.2) from dual;

# **Output:**



17. cos(n):

**Statement:** 

SELECT cos(3) from dual;

# **Output:**

```
COS(3)
-.98999249660044545727157279473126130238
```

18. exp(n):

**Statement:** 

SELECT exp(30) from dual;

# **Output:**

# EXP(30) 10686474581524.46214699046865074140165041

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*19. floor(n):* 

**Statement:** 

SELECT floor(5.8) from dual;

### **Output:**



20. mod(m, n):

**Statement:** 

SELECT mod(4,3) from dual;

# **Output:**

```
MOD(4,3)

1

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```

21. power(x, y):

**Statement:** 

SELECT power(2,5) from dual;

```
POWER(2,5)
32
```

22. round(x [,y]):

**Statement:** 

SELECT round(23.987,2) from dual;

# **Output:**

```
ROUND(23.987,2)
23.99

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```

23. sign(n):

**Statement:** 

SELECT sign(-67) from dual;

# **Output:**



24. *sqrt*(*n*):

**Statement:** 

SELECT sqrt(25) from dual;



25. trunc(x, n):

### **Statement:**

SELECT trunc(25.987, 2) from dual;

# **Output:**



26. sysdate:

### **Statement:**

SELECT sysdate from dual;

### **Output:**



27. *add\_months(d,n)*:

### **Statement:**

SELECT add\_months('11-MARCH-2001', 7) from dual;

### **Output:**

```
ADD_MONTHS('11-MARCH-2001',7)

11-0CT-01
```

28. last\_day():

### **Statement:**

SELECT last\_day('11-MARCH-2001') from dual;

### **Output:**

```
LAST_DAY('11-MARCH-2001')
31-MAR-01
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```

29. months\_between(date1,date2):

### **Statement:**

SELECT months\_between('11-MARCH-2002', '21-JAN-2002') from dual;

# **Output:**

```
MONTHS_BETWEEN('11-MARCH-2002','21-JAN-2002')

1.67741935483870967741935483870967741935
```

30. next\_day(date,char):

### **Statement:**

 $SELECT\ next\_day('11\text{-}JUN\text{-}2001',5)\ from\ dual;$ 

# **Output:**

```
NEXT_DAY('11-JUN-2001',5)

14-JUN-01
```

*31. greatest(expr):* 

### **Statement:**

SELECT greatest(7, 8, 9) from dual;

### **Output:**

*32. least(expr):* 

# **Statement:**

SELECT least(2.1, 2.5, 1.3) from dual;



Q2) Display current time in hour: min: sec format

**Statement:** SELECT current\_timestamp from dual;

**Output:** 



*Q3*) Display salary + commission of emp table

### **Statement:**

SELECT salary+commission from emp;

# **Output:**

SALARY+COMMISSION
2400
3400
3500
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Q4) Store any date value in hiredate column of table?

### **Statement:**

SELECT hiredate from emp;

Н	REI	DAT	Έ
12	-JU	IN-8	85
02	-MA	R-	21
31	-MA	Υ-:	12
n .	1	1	001

Q5) Display name of employee(s) who join the company in 1985?

# **Statement:**

SELECT ename from emp where hiredate between '01-JAN-1985' and '31-DEC-1985';

# **Output:**



Q6) Display name of the employee(s) who join the company this year?

# **Statement:**

SELECT ename from emp where hiredate between '01-JAN-2021' and '31-DEC-2021';

