

Assignment 8

Name – Tanmay Garg

Batch – 3ENC1

Roll No. – 101915001

Q1) Use the following functions →

1. chr (n):

1	SELECT CHR(84) FROM dual;
2	
3	
4	
5	

CHR(84)
T

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2. concat(char1,char2):

2	
3	SELECT concat('Tanmay','Garg') FROM dual;
4	
5	

CONCAT('TANMAY','GARG')
TanmayGarg

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3. instr(string,char):

4	
5	SELECT instr('Timmy','mmy') FROM dual;
6	
7	

INSTR('TIMMY','MMY')
3

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4. length(n):

6	
7	SELECT length('Tanmay') FROM dual;
8	
9	

LENGTH('TANMAY')
6

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

```
9 SELECT lpad('Tanmay', 10, '#') FROM dual;
```

LPAD('TANMAY',10,'#')

####Tanmay

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

```
11 SELECT ltrim('Tanmay', 'Tan') FROM dual;
```

LTRIM('TANMAY','TAN')

may

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

```
13 SELECT rpad('Tanmay', 8, '#') FROM dual;
```

RPAD('TANMAY',8,'#')

Tanmay##

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

```
15 SELECT rtrim('Tanmay', 'may') FROM dual;
```

RTRIM('TANMAY','MAY')

Tan

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9. replace(char ,search_string , replacement_string):

```
17 SELECT replace('Random Text', 'Random', 'Some') FROM dual;
```

REPLACE('RANDOMTEXT','RANDOM','SOME')

Some Text

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

19	SELECT substr('Tanmay', 1, 4) FROM dual;
20	
SUBSTR('TANMAY',1,4)	
Tanm	
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11. initcap(char):

21	SELECT initcap('thapar institute of engineering and technology') FROM dual;
22	
INITCAP('THAPARINSTITUTEENGINEERINGANDTECHNOLOGY')	
Thapar Institute Of Engineering And Technology	
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12. lower(string):

23	SELECT lower('TANmaY') FROM dual;
24	
LOWER('TANMAY')	
tanmay	
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13. upper(string):

25	SELECT upper('TaNmAy') FROM dual;
26	
UPPER('TANMAY')	
TANMAY	
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14. translate(char ,from string ,to string):

27	SELECT translate('Tanmsy', 's', 'a') FROM dual
28	
TRANSLATE('TANMSY', 'S', 'A')	
Tanmay	
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15. abs(n):

```
29 SELECT abs(-69) FROM dual;
```

ABS(-69)
69

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16. ceil(n):

```
31 SELECT ceil(419.68) FROM dual;
```

CEIL(419.68)
420

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17. cos(n):

```
33 SELECT cos(0) FROM dual;
```

COS(0)
1

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18. exp(n):

```
35 SELECT exp(3) FROM dual;
```

EXP(3)
20.08553692318766774092852965458171789706

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19. floor(n):

```
37 SELECT floor(55.574) FROM dual;
```

FLOOR(55.574)
55

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20. mod(m,n):

```
39 SELECT mod(29,5) FROM dual;
```

```
40
```

MOD(29,5)
4

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21. power(x,y):

```
41 SELECT power(7,3) FROM dual;
```

```
42
```

POWER(7,3)
343

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22. round(x [,y]):

```
43 SELECT round(62.765,1) FROM dual;
```

```
44
```

ROUND(62.765,1)
62.8

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23. sign(n):

```
45 SELECT sign(-321321) FROM dual;
```

```
46
```

SIGN(-321321)
-1

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24. sqrt(n);

```
47 SELECT sqrt(1000000) FROM dual;
```

```
48
```

SQRT(1000000)
1000

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25. trunc(x,n):

```
49 SELECT trunc(84.123456, 4) FROM dual;
```

```
50
```

TRUNC(84.123456,4)
84.1234

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26. sysdate:

```
51 SELECT sysdate FROM dual;
```

```
52
```

SYSDATE
08-OCT-21

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27. add_months(d,n):

```
53 SELECT ADD_MONTHS('22-October-2021',17) FROM dual;
```

```
54
```

ADD_MONTHS('22-OCTOBER-2021',17)
22-MAR-23

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28. last_day():

```
55 SELECT LAST_DAY('17-FEB-1854') FROM dual;
```

```
56
```

LAST_DAY('17-FEB-1854')
28-FEB-54

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29. months_between(date1 ,date2):

```
57 SELECT MONTHS_BETWEEN('12-October-2015', '1-Feb-2021') FROM dual;
```

```
58
```

MONTHS_BETWEEN('12-OCTOBER-2015', '1-FEB-2021')
-63.64516129032258064516129032258064516129

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30. next_day(date ,char):

```
58  
59 SELECT NEXT_DAY('09-OCT-2021', 'friday') FROM dual;  
60
```

NEXT_DAY('09-OCT-2021', 'FRIDAY')

15-OCT-21

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31. greatest(expr):

```
61 SELECT greatest(512.5,45.44) FROM dual;  
62
```

GREATEST(512.5,45.44)

512.5

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32. least(expr):

```
63 SELECT least(13,-5.48) FROM dual;  
64
```

LEAST(13,-5.48)

-5.48

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

```
64  
65 SELECT to_char(sysdate, 'hh:mm:ss') FROM dual;  
66
```

TO_CHAR(SYSDATE, 'HH:MM:SS')

09:10:59

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```

67 --Same code from previously submitted assignment-4
68 --but added commisions values instead of NULL
69 create table emp(
70 empno number(4) not null,
71 ename varchar2(12),
72 job varchar2(9),
73 joinDate date,
74 sal number(7,2),
75 comm number(7,2),
76 deptNo number(2));
77
78 insert into emp values
79 (5302,'Timmy','CEO',to_date('23-Dec-2007','DD-MON-YYYY'),8500,1520,12);
80 insert into emp values
81 (7863,'Ramsy','Guard',to_date('10-Apr-2010','DD-MON-YYYY'),2500,750,17);
82 insert into emp values
83 (2334,'Vinay','Clerk',to_date('12-Sep-2015','DD-MON-YYYY'),5000,1000,10);
84 insert into emp values
85 (1288,'Anil','Clerk',to_date('1-Sep-2021','DD-MON-YYYY'),2500,1200,10);
86 insert into emp values
87 (9852,'Krams','Guard',to_date('3-Sep-2021','DD-MON-YYYY'),1350,520,15);
88 insert into emp values
89 (2370,'Amy','SDE-I',to_date(sysdate),950,50,20);
90
91 select*from emp;
92

```

EMPNO	ENAME	JOB	JOINDATE	SAL	COMM	DEPTNO
5302	Timmy	CEO	23-DEC-07	8500	1520	12
7863	Ramsy	Guard	10-APR-10	2500	750	17
2334	Vinay	Clerk	12-SEP-15	5000	1000	10
1288	Anil	Clerk	01-SEP-21	2500	1200	10
9852	Krams	Guard	03-SEP-21	1350	520	15
2370	Amy	SDE-I	08-OCT-21	950	50	20

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6 rows selected

Q3) Display salary + commission of emp table

```

93 SELECT ename,sal+comm FROM emp;
94

```

ENAME	SAL+COMM
Timmy	10020
Ramsy	3250
Vinay	6000
Anil	3700
Krams	1870
Amy	1000

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6 rows selected.

Q4) Store any date value in hiredate column of table ?

```
94  
95 ALTER TABLE emp ADD hire_date DATE;  
96 UPDATE emp SET hire_date = '08-nov-2001' WHERE empno =5302;  
97 UPDATE emp SET hire_date = '01-april-1980' WHERE empno = 7863;  
98 UPDATE emp SET hire_date = '25-nov-2009' WHERE empno = 2334;  
99 UPDATE emp SET hire_date = '12-aug-2015' WHERE empno = 4;  
100 SELECT ename,hire_date FROM emp;  
101
```

ENAME	HIRE_DATE
Timmy	08-NOV-01
Ramsy	01-APR-80
Vinay	25-NOV-09
Anil	12-AUG-15
Krams	-
Amy	-

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6 rows selected.

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

```
102 SELECT ename FROM emp WHERE to_char(hire_date,'yyyy') = 2001;  
103
```

ENAME
Timmy

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

```
104 SELECT ename FROM emp WHERE to_char(hire_date,'yyyy') = to_char(sysdate,'yyyy');  
105
```

no data found