EXP NO: 05	Use of different type of functions in SQL
DATA: 24/02/2022	

Aim: To implement commands to create and find data from the table using the Functions like Numeric, Conversion, Characters etc

Description about the problem:

- Use of functions like last_day(d),next_day(d,day) etc
- Character Function usage where quarries like replace translate are performed
- Conversion Functions like to_char, to_number on a table
- Numeric Functions like Abs(n), Exp(n), Power(m,n) and other arithmetic functions as well.

Queries:

- select abs(-750) from dual
- select cell(254.559) from dual
- select cos(45) from dual
- select exp(6) from dual
- select power(25,2) from dual
- select sqrt(256) from dual
- select trunc(to_date('24-feb-2022','dd-mon-yy')) from dual
- select to_date('14-feb-2022','dd-mm-yy') from dual
- select to_char(sysdate, 'DL') from dual
- select initcap('Avinash') from dual
- select ltrim('98491AVINASH', '98491') from dual
- select replace('Computer science AI and ML', 'science', 'Science and Engineering') from dual
- select add_months(DATE'2022-02-24', 5) from dual
- select last_day(sysdate) from dual
- select next_day(sysdate,2) from dual
- select months_between(DATE '2022-07-17', DATE '2017-01-01') from dual

Result:
Successfully implemented the commands by using the Functions like Numeric, Conversion, Characters etc

My Scripts \ **Script**

Actions ⌄   Edit Attributes   ▶ Run Script

Name	**Session 05**
Description	DBMS Week 5
Area	-
Visibility	Publicly Shareable - available via unlisted URL
Contributor	RA1911027010007
Share Link	https://livesql.oracle.com/apex/livesql/s/m38902jq1626kr633dqijza5l
Tags	-
Script Results	We cannot determine the last run date for this script. What's This?
Last Updated	Thursday April 28, 2022 (Created 2 months ago)
Metrics	42 Statements, 1,588 bytes

Statement **1**

🗑 Edit

```
select abs(-750) from dual
```

ABS(-750)
750

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Statement **2**

🗑 Edit

```
select cell(254.559) from dual
```

ORA-00904: "CELL": invalid identifier

Statement **3**

🗑 Edit

```
select ceil(254.559) from dual
```

CEIL(254.559)
255

```sql
select floor(254.559) from dual
```

FLOOR(254.559)
254

Download CSV

Statement 5

🗑 Edit

```sql
select cos(45) from dual
```

COS(45)
.5253219888177296960474644048235629189251

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Statement 6

🗑 Edit

```sql
select cosh(60) from dual
```

COSH(60)
57100369490784214183147859.15723828150989

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Statement 7

🗑 Edit

```sql
select sin(60) from dual
```

SIN(60)
-.3048106211022167056256494654784258407 8

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Statement 8

🗑 Edit

```sql
select exp(6) from dual
```

EXP(6)
403.4287934927351226083871805433882796 09

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Statement 9

🗑 Edit

```sql
select ln(25) from dual
```

LN(25)
3.218875824868200749201518664523752790 5

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ORA-00909: invalid number of arguments

Statement **11**

🗑 Edit

```
select log(25,25) from dual
```

LOG(25,25)
1

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Statement **12**

🗑 Edit

```
select mod(25,2) from dual
```

MOD(25,2)
1

Download CSV

Statement **13**

🗑 Edit

```
select power(25,2) from dual
```

POWER(25,2)
625

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Statement **14**

🗑 Edit

```
select round(33.33333,3) from dual
```

ROUND(33.33333,3)
33.333

Download CSV

Statement **15**

🗑 Edit

```
select sign(67) from dual
```

SIGN(67)
1

Download CSV

Statement **16**

🗑 Edit

```
select sign(-67) from dual
```

SIGN(-67)

Statement **17**

🗑 [Edit]

```
select sinh(45) from dual
```

SINH(45)
17467135528742547674.0173986167030497667

Download CSV

Statement **18**

🗑 [Edit]

```
select sqrt(256) from dual
```

SQRT(256)
16

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Statement **19**

🗑 [Edit]

```
select tan(125) from dual
```

TAN(125)
-.78206056850690132112296685732792128166

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Statement **20**

🗑 [Edit]

```
select tanh(125) from dual
```

TANH(125)
.99999999999999999999999999999999999898

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Statement **21**

🗑 [Edit]

```
select trunc(21235,4) from dual
```

TRUNC(21235,4)
21235

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Statement **22**

🗑 [Edit]

```
select trunc(to_date('24-feb-2022','dd-mon-yy')) from dual
```

TRUNC(TO_DATE('24-FEB-2022','DD-MON-YY'))
24-FEB-22

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TRUNC(TO_DATE('24-FEB-2022','DD-MON-YY'),'YEAR')

01-JAN-22

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Statement **24**

🗑 Edit

```
select trunc(to_date('24-feb-2022','dd-mon-yy'),'month') from dual
```

TRUNC(TO_DATE('24-FEB-2022','DD-MON-YY'),'MONTH')

01-FEB-22

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Statement **25**

🗑 Edit

```
select to_date('14-feb-2022','dd-mm-yy') from dual
```

TO_DATE('14-FEB-2022','DD-MM-YY')

14-FEB-22

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Statement **26**

🗑 Edit

```
select to_char( sysdate, 'DL' ) from dual
```

TO_CHAR(SYSDATE,'DL')

Thursday, February 24, 2022

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Statement **27**

🗑 Edit

```
select to_number('222.222') from dual
```

TO_NUMBER('222.222')

222.222

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Statement **28**

🗑 Edit

```
select initcap('Avinash') from dual
```

INITCAP('AVINASH')

Avinash

Download CSV

INITCAP('AVINASH')

Avinash

Download CSV

Statement **30**

🗑 Edit

```
select lower('AvINAsh') from dual
```

LOWER('AVINASH')

avinash

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Statement **31**

🗑 Edit

```
select upper('AvINAsh') from dual
```

UPPER('AVINASH')

AVINASH

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Statement **32**

🗑 Edit

```
select ltrim( '98491AVINASH', '91AVI' ) from dual
```

LTRIM('98491AVINASH','91AVI')

8491AVINASH

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Statement **33**

🗑 Edit

```
select ltrim( '98491AVINASH', '98491' ) from dual
```

LTRIM('98491AVINASH','98491')

AVINASH

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Statement **34**

🗑 Edit

```
select translate( '7*[2+6\9]/{9-3}', '[]{}', '()()' ) from dual
```

TRANSLATE('7*[2+6\9]/{9-3}','[]{}','()()')

7*(2+6\9)/(9-3)

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```
select replace( 'Computer science AI and ML', 'science', 'Science and Engineering' ) fr
```

REPLACE('COMPUTERSCIENCEAIANDML','SCIENCE','SCIENCEANDENGINEERING')

Computer Science and Engineering AI and ML

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Statement **36**

🗑 Edit

```
select substr( 'ML', 1, 6 ) from dual
```

SUBSTR('ML',1,6)

ML

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Statement **37**

🗑 Edit

```
select add_months(DATE'2022-02-24', 5 ) from dual
```

ADD_MONTHS(DATE'2022-02-24',5)

24-JUL-22

Download CSV

Statement **38**

🗑 Edit

```
select add_months(sysdate, 8 ) from dual
```

ADD_MONTHS(SYSDATE,8)

24-OCT-22

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Statement **39**

🗑 Edit

```
select last_day(sysdate) from dual
```

LAST_DAY(SYSDATE)

28-FEB-22

Download CSV

Statement **40**

🗑 Edit

```
select next_day(sysdate,2) from dual
```

NEXT_DAY(SYSDATE,2)

28-FEB-22

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Statement **41**

🗑 Edit

```
select next_day(sysdate,1) from dual
```

Download CSV

Statement **42**

🗑 Edit

```
select months_between( DATE '2022-07-17', DATE '2017-01-01' ) from dual
```

MONTHS_BETWEEN(DATE'2022-07-17',DATE'2017-01-01')
66.5161290322580645161290322580645161612903

Download CSV

▶ **Script Update Details**