

```
SQL> select upper('welcome')from dual;
```

```
UPPER('
-----
WELCOME
```

```
SQL> select lower('HAI')from dual;
```

```
LOW
---
hai
```

```
SQL> select initcap(,,hello world')from dual;
ERROR:
ORA-01756: quoted string not properly terminated
```

```
SQL> select initcap(',,hello world')from dual;
```

```
INITCAP(',,HE
-----
,,Hello World
```

```
SQL> select initcap(''hello world')from dual;
ERROR:
ORA-01756: quoted string not properly terminated
```

```
SQL> select initcap('hello world')from dual;
```

```
INITCAP('HE
-----
Hello World
```

```
SQL> select ltrim(' hai')from dual;
```

```
LTR
---
hai
```

```
SQL> select rtrim('hai ')from dual;
```

```
RTR
---
hai
```

```
SQL> select rtrim(' hai ')from dual;
```

```
RTRI
----
hai
```

```
SQL> select concat('SRM','university')from dual;
```

```
CONCAT('SRM',
-----
SRMuniversity
```

```
SQL> select length
```

2
SQL> select length('SRM')from dual;

LENGTH('SRM')

3

SQL> select replace('SRM university','SRM','Anna')from dual;

REPLACE('SRMUNI

Anna university

SQL> select substr

2

SQL>

SQL>

SQL>

SQL>

SQL>

SQL>

SQL>

SQL>

SQL>

SQL>

SQL> select substr('SRM',7,6)from dual;

S

-

SQL> select rpad('hai',3,'*')from dual;

RPA

hai

SQL> select lpad('hai',3,'*')from dual;

LPA

hai

SQL> select replace('Dany','y','ie')from dual;

REPLA

Danie

SQL> select translate('cold','ld','ol')from dual;

TRAN

cool

SQL> select sysdate from dual;

SYSDATE

25-MAR-22

SQL> select round(sysdate)from dual;

ROUND(SYS

25-MAR-22

SQL> select add_months(sysdate,3)from dual;

ADD_MONTH

25-JUN-22

SQL> select last_date(sysdate)from dual;

select last_date(sysdate)from dual

*

ERROR at line 1:

ORA-00904: "LAST_DATE": invalid identifier

SQL> select last_day(sysdate)from dual;

LAST_DAY(

31-MAR-22

SQL> select sysdate+20 from dual;

SYSDATE+2

14-APR-22

SQL> select next_day(sysdate,'tuesday')from dual;

NEXT_DAY(

29-MAR-22

SQL> select round(15.6789)from dual;

ROUND(15.6789)

16

SQL> select ceil(23.20)from dual;

CEIL(23.20)

24

SQL> select floor(34.56)from dual;

FLOOR(34.56)

34

SQL> select trunc(15.56743)from dual;

```
TRUNC(15.56743)
```

```
-----  
15
```

```
SQL> select sign(-345)from dual;
```

```
SIGN(-345)
```

```
-----  
-1
```

```
SQL> select abs(-70)from dual;
```

```
ABS(-70)
```

```
-----  
70
```

```
SQL> select abs(45) from dual;
```

```
ABS(45)
```

```
-----  
45
```

```
SQL> select power(10,12)from dual;
```

```
POWER(10,12)
```

```
-----  
1.0000E+12
```

```
SQL> select mod(11,15)from dual;
```

```
MOD(11,15)
```

```
-----  
11
```

```
SQL> select exp(10)from dual;
```

```
EXP(10)
```

```
-----  
22026.4658
```

```
SQL> select sqrt(225)from dual;
```

```
SQRT(225)
```

```
-----  
15
```

```
SQL> Create Table Emp2(Empno Number(5),Ename Varchar2(20),Job Varchar2(20),Sal  
Number(6),Mgrno Number(4),Deptno Number(3));
```

```
Table created.
```

```
SQL> Insert Into Emp2 Values(1001,'Mahesh','Programmer',15000,1560,200);
```

```
1 row created.
```

```
SQL> Insert Into Emp2 Values(1002,'Manoj','Tester',12000,1560,200);
```

```
1 row created.
```

SQL> Insert Into Emp2 Values

2

SQL>

SQL> Insert Into Emp2 Values(1003,'Kartik','Programmer',,13000,1400,201);
Insert Into Emp2 Values(1003,'Kartik','Programmer',,13000,1400,201)
*

ERROR at line 1:

ORA-00936: missing expression

SQL> Insert Into Emp2 Values (1003,'Kartik','Programmer',13000,1400,201)

2

SQL> Insert Into Emp2 Values (1003,'Kartik','Programmer',13000,1400,201);

1 row created.

SQL> Insert Into Emp2 Values(1004,'Naresh','Clerk',1400,1400,201);

1 row created.

SQL> Insert Into Emp2 Values(1005,'Mani','Tester',13000,1400,200);

1 row created.

SQL> Insert Into Emp2 Values(1006,'Viki','Designer',12500,1560,201);

1 row created.

SQL> Insert Into Emp2 Values(1007,'Mohan','Designer',14000,1560,201);

1 row created.

SQL> Insert Into Emp2 Values(1008,'Naveen','Creation',20000,1400,201);

1 row created.

SQL> Insert Into Emp2 Values(1009,'Prasad','Dir',20000,1560,202);

1 row created.

SQL> Insert Into Emp2 Values(1010,'Agnesh','Dir',15000,1400,200);

1 row created.

SQL> Select* FROM Emp2;

EMPNO	ENAME	JOB	SAL	MGRNO
1001	Mahesh	Programmer	15000	1560
1002	Manoj	Tester	12000	1560
1003	Kartik	Programmer	13000	1400

EMPNO	ENAME	JOB	SAL	MGRNO
DEPTNO				
1004 201	Naresh	Clerk	1400	1400
1005 200	Mani	Tester	13000	1400
1006 201	Viki	Designer	12500	1560
EMPNO	ENAME	JOB	SAL	MGRNO
DEPTNO				
1007 201	Mohan	Designer	14000	1560
1008 201	Naveen	Creation	20000	1400
1009 202	Prasad	Dir	20000	1560
EMPNO	ENAME	JOB	SAL	MGRNO
DEPTNO				
1010 200	Agnesh	Dir	15000	1400

10 rows selected.

```
SQL> Create Table Dept2(Deptno Number(3),Deptname varchar2(10),Location
varchar2(15));
```

Table created.

```
SQL> Insert Into Dept2 Values(107,'Develop','Adyar');
```

1 row created.

```
SQL> Insert Into Dept2 Values(201,'Debug','UK');
```

1 row created.

```
SQL> Insert Into Dept2 Values(200,'Test','US');
```

1 row created.

```
SQL> #Insert Into Dept2 Values(201,'Test','USSR');
SP2-0734: unknown command beginning "#Insert In..." - rest of line ignored.
SQL> Insert Into Dept2 Values((201,'Test','USSR');
```

```
Insert Into Dept2 Values((201,'Test','USSR')
                        *
```

```
ERROR at line 1:
ORA-00907: missing right parenthesis
```

```
SQL> Insert Into Dept2 Values((201,'Test','USSR');
      Insert Into Dept2 Values((201,'Test','USSR')
                        *
```

```
ERROR at line 1:
ORA-00907: missing right parenthesis
```

```
SQL> Insert Into Dept2 Values(201,'Test','USSR');
```

1 row created.

```
SQL> Insert Into Dept2 Values(108,'Debug','Adyar');
```

1 row created.

```
SQL> Insert Into Dept2 Values(109,'Build','Potheri');
```

1 row created.

```
SQL> Select * From Dept2;
```

DEPTNO	DEPTNAME	LOCATION
107	Develop	Adyar
201	Debug	UK
200	Test	US
201	Test	USSR
108	Debug	Adyar
109	Build	Potheri

6 rows selected.

```
SQL> Select Ename From Emp2 Where Sal>(Select Min(Sal) From Emp2 Where
Dptno=(Select Deptno From Dept2 Where Location='UK'));
Select Ename From Emp2 Where Sal>(Select Min(Sal) From Emp2 Where Dptno=(Select
Deptno From Dept2 Where Location='UK'))
```

*

```
ERROR at line 1:
ORA-00904: "DPTNO": invalid identifier
```

```
SQL> Select Ename From Emp2 Where Sal>(Select Min(Sal) From Emp2 Where
Deptno=(Select Deptno From Dept2 Where Location='UK'));
```

```
ENAME
-----
Mahesh
Manoj
Kartik
Mani
Viki
Mohan
Naveen
```

Prasad
Agnesh

9 rows selected.

SQL> spool off