

```
SQL> select * from t2;
```

ROLL_NO	NAME	EMAIL	BALANCE
1	manas	m@1	80000
2	tushar	t@1	2000
3	yash	y@1	3000
4	harshad	h@1	5000
5	jay	j@1	5000
12	omkar	o@1	6000
14	aniket	a@1	7000
16	vivek	v@1	8000
17	sam	s@2	9000
18	arthur	a@2	1100
21	sushant	s@3	1200
31	vaibhav	v@5	1300
41	abhishek	a@6	1400
51	vikrant	v@7	1500
61	akshay	a@8	1060
71	kapil	k@9	1070
67	dev	d@78	1080
45	suraj	s@89	1900
56	ram	r@45	1009
87	shyam	s@34	1034

38	ravan	r@34	1023
99	krishna	k@43	1460
567	manas	m@256	80000
235	tushar	t@435	2000
456	yash	y@1845	3000
235	harshad	h@132	5000
56	varun	vv@g	4000
588	siddharth	ss@g	1000

28 rows selected.

SQL> select upper(name) from t2;

UPPER(NAME)

-----

MANAS

TUSHAR

YASH

HARSHAD

JAY

OMKAR

ANIKET

VIVEK

SAM

ARTHUR

SUSHANT

VAIBHAV

ABHISHEK

VIKRANT

AKSHAY

KAPIL

DEV

SURAJ

RAM

SHYAM

RAVAN

KRISHNA

MANAS

TUSHAR

YASH

HARSHAD

VARUN

SIDDHARTH

28 rows selected.

```
SQL> select lower(name) from t2;
```

```
LOWER(NAME
```

```
-----
```

```
manas
```

tushar

yash

harshad

jay

omkar

aniket

vivek

sam

arthur

sushant

vaibhav

abhishek

vikrant

akshay

kapil

dev

suraj

ram

shyam

ravan

krishna

manas

tushar

yash

harshad

varun

siddharth

28 rows selected.

```
SQL> select initcap(name) from t2;
```

INITCAP(NA

-----

Manas

Tushar

Yash

Harshad

Jay

Omkar

Aniket

Vivek

Sam

Arthur

Sushant

Vaibhav

Abhishek

Vikrant

Akshay

Kapil

Dev

Suraj

Ram

Shyam

Ravan

Krishna

Manas

Tushar

Yash

Harshad

Varun

Siddharth

28 rows selected.

```
SQL> select concat(name,email) from t2;
```

```
CONCAT(NAME,EMAIL)
```

```
-----
```

```
manasm@1
```

```
tushart@1
```

```
yashy@1
```

```
harshadh@1
```

```
jayj@1
```

omkaro@1

aniketa@1

vivekv@1

sams@2

arthura@2

sushants@3

vaibhavv@5

abhisheka@6

vikrantv@7

akshaya@8

kapilk@9

devd@78

surajs@89

ramr@45

shyams@34

ravanr@34

krishnak@43

manasm@256

tushart@435

yashy@1845

harshadh@132

varunvv@g

siddharthss@g

28 rows selected.

```
SQL> select name||email from t2;
```

```
NAME || EMAIL
```

```
-----
```

```
manasm@1
```

```
tushart@1
```

```
yashy@1
```

```
harshadh@1
```

```
jayj@1
```

```
omkaro@1
```

```
aniketa@1
```

```
vivekv@1
```

```
sams@2
```

```
arthura@2
```

```
sushants@3
```

```
vaibhavv@5
```

```
abhisheka@6
```

```
vikrantv@7
```

```
akshaya@8
```

```
kapilk@9
```

```
devd@78
```

```
surajs@89
```

```
ramr@45
```



shyams@34

ravanr@34

krishnak@43

manasm@256

tushart@435

yashy@1845

harshadh@132

varunvv@g

siddharthss@g

28 rows selected.

```
SQL> select name,length(name) from t2;
```

NAME	LENGTH(NAME)
------	--------------

-----

manas	5
-------	---

tushar	6
--------	---

yash	4
------	---

harshad	7
---------	---

jay	3
-----	---

omkar	5
-------	---

aniket	6
--------	---

vivek	5
-------	---

sam	3
-----	---

arthur	6
sushant	7
vaibhav	7
abhishek	8
vikrant	7
akshay	6
kapil	5
dev	3
suraj	5
ram	3
shyam	5
ravan	5
krishna	7
manas	5
tushar	6
yash	4
harshad	7
varun	5
siddharth	9

28 rows selected.

```
SQL> select substr(name,1,3)from t2;
```

```
SUBSTR(NAME,
```

```
-----
```

man

tus

yas

har

jay

omk

ani

viv

sam

art

sus

vai

abh

vik

aks

kap

dev

sur

ram

shy

rav

kri

man

tus

yas

har

var

sid

28 rows selected.

```
SQL> select substr(name,1)from t2;
```

SUBSTR(NAME,1)

-----

manas

tushar

yash

harshad

jay

omkar

aniket

vivek

sam

arthur

sushant

vaibhav

abhishek

vikrant

akshay

kapil

dev

suraj

ram

shyam

ravan

krishna

manas

tushar

yash

harshad

varun

siddharth

28 rows selected.

SQL> select substr(name,2)from t2;

SUBSTR(NAME,2)

-----

anas

ushar

ash

arshad

ay

mkar

niket

ivek

am

rthur

ushant

aibhav

bhishek

ikrant

kshay

apil

ev

uraj

am

hyam

avan

rishna

anas

ushar

ash

arshad

arun

iddharth

28 rows selected.

```
SQL> select name,instr(name,'m')from t2;
```

NAME	INSTR(NAME, 'M')
------	------------------

-----

manas	1
-------	---

tushar	0
--------	---

yash	0
------	---

harshad	0
---------	---

jay	0
-----	---

omkar	2
-------	---

aniket	0
--------	---

vivek	0
-------	---

sam	3
-----	---

arthur	0
--------	---

sushant	0
---------	---

vaibhav	0
---------	---

abhishek	0
----------	---

vikrant	0
---------	---

akshay	0
--------	---

kapil	0
-------	---

dev	0
-----	---

suraj	0
ram	3
shyam	5
ravan	0
krishna	0
manas	1
tushar	0
yash	0
harshad	0
varun	0
siddharth	0

28 rows selected.

SQL> select name,instr(name,'a')from t2;

NAME	INSTR(NAME, 'A')
-----	-----
manas	2
tushar	5
yash	2
harshad	2
jay	2
omkar	4
aniket	1
vivek	0



sam	2
arthur	1
sushant	5
vaibhav	2
abhishek	1
vikrant	5
akshay	1
kapil	2
dev	0
suraj	4
ram	2
shyam	4
ravan	2
krishna	7
manas	2
tushar	5
yash	2
harshad	2
varun	2
siddharth	6

28 rows selected.

```
SQL> select name,instr(name,'a',3)from t2;
```

NAME	INSTR(NAME, 'A', 3)
------	---------------------

-----	-----
-------	-------

manas	4
-------	---

tushar	5
--------	---

yash	0
------	---

harshad	6
---------	---

jay	0
-----	---

omkar	4
-------	---

aniket	0
--------	---

vivek	0
-------	---

sam	0
-----	---

arthur	0
--------	---

sushant	5
---------	---

vaibhav	6
---------	---

abhishek	0
----------	---

vikrant	5
---------	---

akshay	5
--------	---

kapil	0
-------	---

dev	0
-----	---

suraj	4
-------	---

ram	0
-----	---

shyam	4
-------	---

ravan	4
-------	---

krishna	7
manas	4
tushar	5
yash	0
harshad	6
varun	0
siddharth	6

28 rows selected.

SQL> select name,instr(name,'a',2,2)from t2;

NAME	INSTR(NAME, 'A', 2, 2)
------	------------------------

-----

manas	4
tushar	0
yash	0
harshad	6
jay	0
omkar	0
aniket	0
vivek	0
sam	0
arthur	0
sushant	0
vaibhav	6

abhishek	0
vikrant	0
akshay	0
kapil	0
dev	0
suraj	0
ram	0
shyam	0
ravan	4
krishna	0
manas	4
tushar	0
yash	0
harshad	6
varun	0
siddharth	0

28 rows selected.

SQL> select lpad(name,10) from t2;

LPAD(NAME,10)

-----

manas

tushar

yash

harshad

jay

omkar

aniket

vivek

sam

arthur

sushant

vaibhav

abhishek

vikrant

akshay

kapil

dev

suraj

ram

shyam

ravan

krishna

manas

tushar

yash

harshad

varun

siddharth

28 rows selected.

```
SQL> select lpad(name,3) from t2;
```

LPAD(NAME,3)

-----

man

tus

yas

har

jay

omk

ani

viv

sam

art

sus

vai

abh

vik

aks

kap

dev

sur

ram

shy

rav

kri

man

tus

yas

har

var

sid

28 rows selected.

```
SQL> select rpad(name,10) from t2;
```

RPAD(NAME,10)

-----

manas

tushar

yash

harshad

jay

omkar

aniket

vivek

sam

arthur

sushant

vaibhav

abhishek

vikrant

akshay

kapil

dev

suraj

ram

shyam

ravan

krishna

manas

tushar

yash

harshad

varun

siddharth

28 rows selected.



```
SQL> select rpad(name,1) from t2;
```

RPAD

----

m

t

y

h

j

o

a

v

s

a

s

v

a

v

a

k

d

s

r

s

r

k

m

t

y

h

v

s

28 rows selected.

```
SQL> select rpad(name,10,'_') from t2;
```

```
RPAD(NAME,10,'_')
```

```
-----
```

```
manas_____
```

```
tushar_____
```

```
yash_____
```

```
harshad____
```

```
jay_____
```

```
omkar_____
```

```
aniket_____
```

```
vivek_____
```

```
sam_____
```

```
arthur_____
```

sushant\_\_

vaibhav\_\_

abhishek\_\_

vikrant\_\_

akshay\_\_

kapil\_\_

dev\_\_

suraj\_\_

ram\_\_

shyam\_\_

ravan\_\_

krishna\_\_

manas\_\_

tushar\_\_

yash\_\_

harshad\_\_

varun\_\_

siddharth\_

28 rows selected.

```
SQL> select lpad(name,10,'_') from t2;
```

```
LPAD(NAME,10,'_')
```

-----

\_\_\_\_\_manas

\_\_\_tushar

\_\_\_yash

\_\_\_harshad

\_\_\_jay

\_\_\_omkar

\_\_\_aniket

\_\_\_vivek

\_\_\_sam

\_\_\_arthur

\_\_\_sushant

\_\_\_vaibhav

\_\_\_abhishek

\_\_\_vikrant

\_\_\_akshay

\_\_\_kapil

\_\_\_dev

\_\_\_suraj

\_\_\_ram

\_\_\_shyam

\_\_\_ravan

\_\_\_krishna

\_\_\_manas

\_\_\_tushar

\_\_\_\_\_yash

\_\_\_\_harshad

\_\_\_\_\_varun

\_siddharth

28 rows selected.

SQL> select ltrim(name) from t2;

LTRIM(NAME

-----

manas

tushar

yash

harshad

jay

omkar

aniket

vivek

sam

arthur

sushant

vaibhav

abhishek

vikrant

akshay

kapil

dev

suraj

ram

shyam

ravan

krishna

manas

tushar

yash

harshad

varun

siddharth

28 rows selected.

```
SQL> select rtrim(name) from t2;
```

```
RTRIM(NAME
```

```
-----
```

manas

tushar

yash

harshad

jay

omkar

aniket

vivek

sam

arthur

sushant

vaibhav

abhishek

vikrant

akshay

kapil

dev

suraj

ram

shyam

ravan

krishna

manas

tushar

yash

harshad

varun

siddharth

28 rows selected.

```
SQL> select ltrim(name,'ma') from t2;
```

```
LTRIM(NAME
```

```
-----
```

nas

tushar

yash

harshad

jay

omkar

niket

vivek

sam

rthur

sushant

vaibhav

bhishek

vikrant

kshay

kapil

dev

suraj



ram

shyam

ravan

krishna

nas

tushar

yash

harshad

varun

siddharth

28 rows selected.

```
SQL> select ltrim(name,'va') from t2;
```

```
LTRIM(NAME
```

```
-----
```

manas

tushar

yash

harshad

jay

omkar

niket

ivek

sam

rthur

sushant

ibhav

bhishek

ikrant

kshay

kapil

dev

suraj

ram

shyam

ravan

krishna

manas

tushar

yash

harshad

run

siddharth

28 rows selected.

```
SQL> select name,replace(name,'m','p') from t2;
```

NAME	REPLACE(NA
------	------------

-----

manas	panas
tushar	tushar
yash	yash
harshad	harshad
jay	jay
omkar	opkar
aniket	aniket
vivek	vivek
sam	sap
arthur	arthur
sushant	sushant
vaibhav	vaibhav
abhishek	abhishek
vikrant	vikrant
akshay	akshay
kapil	kapil
dev	dev
suraj	suraj
ram	rap
shyam	shyap
ravan	ravan
krishna	krishna

manas	panas
tushar	tushar
yash	yash
harshad	harshad
varun	varun
siddharth	siddharth

28 rows selected.

```
SQL> select name,askii(name) from t2;
select name,askii(name) from t2
          *
```

ERROR at line 1:  
ORA-00904: "ASKII": invalid identifier

```
SQL> select name,ascii(name) from t2;
```

NAME	ASCII(NAME)
-----	-----
manas	109
tushar	116
yash	121
harshad	104
jay	106
omkar	111
aniket	97
vivek	118
sam	115

arthur	97
sushant	115
vaibhav	118
abhishek	97
vikrant	118
akshay	97
kapil	107
dev	100
suraj	115
ram	114
shyam	115
ravan	114
krishna	107
manas	109
tushar	116
yash	121
harshad	104
varun	118
siddharth	115

28 rows selected.

```
SQL> se;ect char(65) from dual;
```

SP2-0734: unknown command beginning "se;ect cha..." - rest of line ignored.

```
SQL> select char(65) from dual;
```

```
select char(65) from dual
```

\*

ERROR at line 1:  
ORA-00936: missing expression

SQL> select chr(65) from dual;

C

-

A

SQL> select chr(75) from dual;

C

-

K

SQL> select chr(125) from dual;

C

-

}

SQL> select round(125.5) from dual;

ROUND(125.5)

-----

126

SQL> select round(125.4) from dual;

ROUND(125.4)

-----

125

```
SQL> select floor(125.4) from dual;
```

```
FLOOR(125.4)
```

```
-----
```

125

```
SQL> select floor(125.7) from dual;
```

```
FLOOR(125.7)
```

```
-----
```

125

```
SQL> select ceil(125.1) from dual;
```

```
CEIL(125.1)
```

```
-----
```

126

```
SQL> select ceil(125.7) from dual;
```

```
CEIL(125.7)
```

```
-----
```

126

```
SQL> select mod(25,20) from dual;
```

```
MOD(25,20)
```

```
-----
```

5

```
SQL> select trunc(25.5) from dual;
```

```
TRUNC(25.5)
```

```
-----
```

```
25
```

```
SQL> select trunc(25.5,1) from dual;
```

```
TRUNC(25.5,1)
```

```
-----
```

```
25.5
```

```
SQL> select trunc(25.54,1) from dual;
```

```
TRUNC(25.54,1)
```

```
-----
```

```
25.5
```

```
SQL> select sign(25.54) from dual;
```

```
SIGN(25.54)
```

```
-----
```

```
1
```

```
SQL> select sign(-25.54) from dual;
```

```
SIGN(-25.54)
```

```
-----
```

```
-1
```



```
SQL> select sign(0) from dual;
```

```
      SIGN(0)
```

```
-----
```

```
          0
```

```
SQL> select log(25,5) from dual;
```

```
      LOG(25,5)
```

```
-----
```

```
          .5
```

```
SQL> select sqrt(25) from dual;
```

```
      SQRT(25)
```

```
-----
```

```
          5
```

```
SQL> select power(25,5) from dual;
```

```
      POWER(25,5)
```

```
-----
```

```
      9765625
```

```
SQL> select abs(-255) from dual;
```

```
      ABS(-255)
```

```
-----
```

```
      255
```

```
SQL> select sin(-255) from dual;
```

```
SIN(-255)
```

```
-----
```

```
.506391635
```

```
SQL> select cos(-255) from dual;
```

```
COS(-255)
```

```
-----
```

```
-.86230361
```

```
SQL> select cosh(-255) from dual;
```

```
COSH(-255)
```

```
-----
```

```
2.780E+110
```

```
SQL> select sinh(-255) from dual;
```

```
SINH(-255)
```

```
-----
```

```
-2.78E+110
```

```
SQL> select tanh(-255) from dual;
```

```
TANH(-255)
```

```
-----
```

```
-1
```

```
SQL> select tan(-1) from dual;
```

TAN(-1)

-----

-1.5574077

SQL> spool off;