Number Function

```
SELECT MOD(11,4) "Modulus"  FROM DUAL;

SELECT ROUND(15.193,1) "Round" FROM DUAL;

SELECT TRUNC(15.79,1) "Truncate" FROM DUAL;
```

Output :

```
Modulus

----------

         3

Round

----------

      15.2

Truncate

----------

    15.7
```

Character Function

```
SELECT LOWER('MR. SCOTT MCMILLAN') "Lowercase" FROM DUAL;

SELECT INITCAP('the soap') "Capitals" FROM DUAL;

SELECT CONCAT(CONCAT(last_name, '''s job category is '), job_id) "Job"  FROM employees
WHERE employee_id = 152;
```

Output :

```
Lowercase

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

mr. scott mcmillan

Capitals

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

The Soap

Job

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

Hall's job category is SA_REP
```

Aggregate Function

SELECT COUNT(*) FROM PRODUCT_MAST; WHERE RATE>=20;

SELECT SUM(COST) FROM PRODUCT_MAST WHERE QTY>3;

SELECT AVG(COST) FROM PRODUCT_MAST;

SELECT MAX(RATE) FROM PRODUCT_MAST;

SELECT MIN(RATE) FROM PRODUCT_MAST;

Output :

Count

7

Sum

320

Avg

67.00

Max

30

Min

10

Conversion Function

SELECT TO_CHAR('01110') FROM DUAL;

SELECT TO_DATE('January 15, 1989, 11:00 A.M.', 'Month dd, YYYY, HH:MI A.M.', 'NLS_DATE_LANGUAGE = American') FROM DUAL;

SELECT TO_NUMBER('-AusDollars100','L9G999D99', ' NLS_NUMERIC_CHARACTERS = ",." NLS_CURRENCY = "AusDollars" ') "Amount" FROM DUAL;

Output :

TO_CH

01110

TO_DATE

15-JAN-89

Amount

-100

Data Function

SELECT MONTHS_BETWEEN (TO_DATE('02-02-1995','MM-DD-YYYY'), TO_DATE('01-01-1995','MM-DD-YYYY')) "Months" FROM DUAL;

SELECT TO_CHAR(ADD_MONTHS(hire_date, 1), 'DD-MON-YYYY') "Next month" FROM employees WHERE last_name = 'Baer';

SELECT NEXT_DAY('15-OCT-2009','TUESDAY') "NEXT DAY" FROM DUAL;

Output :

Months

1.03225806

Next Month

07-JUL-2002

NEXT DAY

20-OCT-2009 00:00:00