**Query No. :**

**Aim : 1) Use Mathematical functions like abs(), sqrt() etc.**

**2) Use Scalar operators like length(), lpad(), rpad() etc.**

**3) Use Group operators like avg(), max(), min() etc.**

**4) Use the pattern matching operator ‘%’.**

SQL\*Plus: Release 10.2.0.3.0 - Production on Sun Apr 26 12:32:45 2009

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Connected to:

Oracle Database 10g Enterprise Edition Release 10.2.0.3.0 - Production

With the Partitioning, OLAP and Data Mining options

SQL> select 9\*7 from dual;

9\*7

----------

63

SQL> select abs(-23) from dual;

ABS(-23)

----------

23

SQL> select abs(39.21) from dual;

ABS(39.21)

----------

39.21

SQL> select power(4,6) from dual;

POWER(4,6)

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4096

SQL> select sqrt(345.65) from dual;

SQRT(345.65)

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18.5916648

SQL> select avg(Salary) "Average Salary" from Employee;

Average Salary

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

18500

SQL> select min(Salary) "Minimum Salary" from Employee;

Minimum Salary

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15000

SQL> select max(Salary) "Maximum Salary" from Employee;

Maximum Salary

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

20000

SQL> select lower(Name) "Name" from Employee;

Name

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

rohit aggarwal

prateek varshney

ojassvi chawla

parth garg

arpit jain

ishan banga

keshav yadav

shivansh sharma

ankit sharma

anuj trisal

vinay garg

paras gera

nitin aggarwal

chandan jha

kamal nanda

nitin bhatia

jatin sachdeva

17 rows selected.

SQL> select upper(Name) "Name" from Employee;

Name

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

ROHIT AGGARWAL

PRATEEK VARSHNEY

OJASSVI CHAWLA

PARTH GARG

ARPIT JAIN

ISHAN BANGA

KESHAV YADAV

SHIVANSH SHARMA

ANKIT SHARMA

ANUJ TRISAL

VINAY GARG

PARAS GERA

NITIN AGGARWAL

CHANDAN JHA

KAMAL NANDA

NITIN BHATIA

JATIN SACHDEVA

17 rows selected.

SQL> select length('My name is Rohit Aggarwal') from dual;

LENGTH('MYNAMEISROHITAGGARWAL')

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

25

SQL> select lpad('Rohit',10) from dual;

LPAD(

----------

Rohit

SQL> select rpad('Rohit',10) from dual;

RPAD(

----------

Rohit

SQL> select ltrim('Rohit','R') from dual;

LTRIM(

------

ohit

SQL> select rtrim('Rohit','it') from dual;

RTRIM(

------

Roh

SQL> select substr('Rohit Aggarwal',1,5) from dual;

SUBSTR(

-------

Rohit

SQL> select initcap('rohit aggarwal') from dual;

INITCAP(

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

Rohit Aggarwal

SQL> select \* from Employee where Name like 'P%';

NAME SALARY

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

Prateek Varshney 19000

Parth Garg 19500

Paras Gera 19500

SQL> select \* from Employee where Salary like '18%';

NAME SALARY

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Ishan Banga 18000

Nitin Aggarwal 18500

Chandan Jha 18500

**Written By :**

**Name : Rohit Aggarwal**

**Roll No. : 7CS-097**