**R GNANESH**

**# 9490717057**

**# WAQT display all the tables?**

SQL> select \* from cat;

TABLE\_NAME TABLE\_TYPE

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

EMP TABLE

DEPT TABLE

EMP1 TABLE

EMP1\_BKP\_V1 TABLE

T1 TABLE

**# WAQT display emp1 table?**

SQL> select \* from emp1;

ENAME DEPTNO JOB SAL

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

Nani 10 President 10000

Bujji 30 Manager 6000

Scott 20 Salesman 5000

Nani 10 President 10000

Smith 40 HR 5000

Scott 40 Clerk 4000

Nani 30 Manager 4000

Bujji 20 Clerk 3000

Smith 10 President 2000

Shalu 30 Salesman 1000

Scott 10 HR 3000

11 rows selected.

**# WAQTFO all the enames and sal?**

SQL> select ename, sal from emp1;

ENAME SAL

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

Nani 10000

Bujji 6000

Scott 5000

Nani 10000

Smith 5000

Scott 4000

Nani 4000

Bujji 3000

Smith 2000

Shalu 1000

Scott 3000

11 rows selected.

**# WAQTFO ename, job and sal?**

SQL> select ename, job, sal from emp1;

ENAME JOB SAL

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

Nani President 10000

Bujji Manager 6000

Scott Salesman 5000

Nani President 10000

Smith HR 5000

Scott Clerk 4000

Nani Manager 4000

Bujji Clerk 3000

Smith President 2000

Shalu Salesman 1000

Scott HR 3000

11 rows selected.

**# WAQTFO all the enames ,job and annual sal?**

SQL> select ename, job, sal\*12 from emp1;

ENAME JOB SAL\*12

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

Nani President 120000

Bujji Manager 72000

Scott Salesman 60000

Nani President 120000

Smith HR 60000

Scott Clerk 48000

Nani Manager 48000

Bujji Clerk 36000

Smith President 24000

Shalu Salesman 12000

Scott HR 36000

11 rows selected.

**# WAQTFO all the enames, sal, job and annual sal if it is increased by 11%?**

SQL> select ename, sal, job, sal\*12\*1.11 from emp1;

ENAME SAL JOB SAL\*12\*1.11

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

Nani 10000 President 133200

Bujji 6000 Manager 79920

Scott 5000 Salesman 66600

Nani 10000 President 133200

Smith 5000 HR 66600

Scott 4000 Clerk 53280

Nani 4000 Manager 53280

Bujji 3000 Clerk 39960

Smith 2000 President 26640

Shalu 1000 Salesman 13320

Scott 3000 HR 39960

11 rows selected.

**# WAQTFO ename as emp\_name, sal as monthly\_sal it is increased by 11%?**

SQL> select ename as emp\_name, sal as monthly\_sal, job, sal\*12\*1.11 as incr from emp1;

EMP\_NAME MONTHLY\_SAL JOB INCR

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

Nani 10000 President 133200

Bujji 6000 Manager 79920

Scott 5000 Salesman 66600

Nani 10000 President 133200

Smith 5000 HR 66600

Scott 4000 Clerk 53280

Nani 4000 Manager 53280

Bujji 3000 Clerk 39960

Smith 2000 President 26640

Shalu 1000 Salesman 13320

Scott 3000 HR 39960

11 rows selected.

**# WAQT concatenation of ename asd sal?**

SQL> select 'My name is ' ||ename|| ' and my sal is ' ||sal as c1 from emp1;

C1

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

My name is Nani and my sal is 10000

My name is Bujji and my sal is 6000

My name is Scott and my sal is 5000

My name is Nani and my sal is 10000

My name is Smith and my sal is 5000

My name is Scott and my sal is 4000

My name is Nani and my sal is 4000

My name is Bujji and my sal is 3000

My name is Smith and my sal is 2000

My name is Shalu and my sal is 1000

My name is Scott and my sal is 3000

11 rows selected.

**# WAQT concatenation ?**

SQL> select ename ||' '|| sal from emp1;

ENAME||''||SAL

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

Nani 10000

Bujji 6000

Scott 5000

Nani 10000

Smith 5000

Scott 4000

Nani 4000

Bujji 3000

Smith 2000

Shalu 1000

Scott 3000

11 rows selected.

**# WAQTFO 'Nani', 2+3, 4\*5, 5\*6\*10 using concatenation?**

SQL> select distinct 'Nani', 2+3, 4\*5, 5\*6\*10 from emp1;

'NAN 2+3 4\*5 5\*6\*10

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

Nani 5 20 300

**# WAQTFO all the enames who are working in deptno 20?**

SQL> select ename from emp1 where deptno=20;

ENAME

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

Scott

Bujji

**# WAQTFO all the enames who are working in deptno 20 and 30?**

SQL> select ename from emp1 where deptno=20 or deptno=30;

ENAME

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

Bujji

Scott

Nani

Bujji

Shalu

**# WAQTFO all the emp names working in deptno 10 or 20 and getting sal > 1000?**

SQL> select ename from emp1 where (deptno=20 or deptno=10) and sal > 1000;

ENAME

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

Nani

Scott

Nani

Bujji

Smith

Scott

6 rows selected.

**# WAQTFO all the enames working in deptno 20 or 10 or 30?**

SQL> select ename from emp1 where deptno in (10,20,30);

ENAME

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

Nani

Bujji

Scott

Nani

Nani

Bujji

Smith

Shalu

Scott

9 rows selected.

**# WAQT create a table as customer?**

SQL> create table customer(custid number, custname varchar(20), sales number);

Table created.

**# WAQT insert values in customer table?**

SQL> insert into customer(custid, custname, sales)

2 values ('01','c1','100');

1 row created.

SQL> insert into customer(custid, custname, sales)

2 values ('02','c2','200');

1 row created.

**# WAQT display customer table?**

SQL> select \* from customer;

CUSTID CUSTNAME SALES

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

1 c1 100

2 c2 200

**# WAQTFO custid 1?**

SQL> select custname from customer where custid = 1 ;

CUSTNAME

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

c1

**# WAQTFO custid of both 1 and 2?**

SQL> select custname from customer where custid = 1 and custid=2;

no rows selected

**# WAQTFO all the enames working in deptno 10?**

SQL> select ename from emp1 where deptno=10;

ENAME

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

Nani

Nani

Smith

Scott

**# WAQTFO result of the Query in the FROM class will act as table?**

SQL> select t1.\* from (select ename, sal, deptno from emp1) t1;

ENAME SAL DEPTNO

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

Nani 10000 10

Bujji 6000 30

Scott 5000 20

Nani 10000 10

Smith 5000 40

Scott 4000 40

Nani 4000 30

Bujji 3000 20

Smith 2000 10

Shalu 1000 30

Scott 3000 10

11 rows selected.

**# WAQTFO top 3 records in an emp table?**

SQL> select \* from emp1 where rownum <=3;

ENAME DEPTNO JOB SAL

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

Nani 10 President 10000

Bujji 30 Manager 6000

Scott 20 Salesman 5000

**# WAQT count the values of a table?**

SQL> select count(ename) from emp1;

COUNT(ENAME)

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

11

**# WAQT count record table?**

SQL> select count(\*) from emp1;

COUNT(\*)

----------

11

**# WAQTFO 4th record of a row using rownum?**

SQL> select t1.\* from (select emp1.\*, rownum as rn from emp1)t1 where rn=4;

ENAME DEPTNO JOB SAL RN

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

Nani 10 President 10000 4

**# WAQTFO all odd numbered records?**

SQL> select t1.\* from (select emp1.\*, rownum as rn from emp1)t1 where mod(rn,2)!=0;

ENAME DEPTNO JOB SAL RN

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

Nani 10 President 10000 1

Scott 20 Salesman 5000 3

Smith 40 HR 5000 5

Nani 30 Manager 4000 7

Smith 10 President 2000 9

Scott 10 HR 3000 11

6 rows selected.

**# WAQTFO all even numbered records?**

SQL> select t1.\* from (select emp1.\*, rownum as rn from emp1)t1 where mod(rn,2)=0;

ENAME DEPTNO JOB SAL RN

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

Bujji 30 Manager 6000 2

Nani 10 President 10000 4

Scott 40 Clerk 4000 6

Bujji 20 Clerk 3000 8

Shalu 30 Salesman 1000 10

SQL> select t1.\* from (select emp1.\*, rownum as rn from emp1)t1 where rn=(select count (\*) from emp1)-3;

**# WAQTFO last but 3rd record from the table?**

ENAME DEPTNO JOB SAL RN

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

Bujji 20 Clerk 3000 8

**# WAQTFO last record from the table?**

SQL> select t1.\* from (select emp1.\*, rownum as rn from emp1)t1 where rn=(select count (\*) from emp1);

ENAME DEPTNO JOB SAL RN

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

Scott 10 HR 3000 11

**# WAQTFO last record from the table?**

SQL> select t1.\* from (select emp1.\*, rownum as rn from emp1)t1 where rn=(select round(count (\*)) from emp1);

ENAME DEPTNO JOB SAL RN

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

Scott 10 HR 3000 11

**# WAQTFO order by 1?**

SQL> select ename from emp1 order by 1;

ENAME

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

Bujji

Bujji

Nani

Nani

Nani

Scott

Scott

Scott

Shalu

Smith

Smith

11 rows selected.

**# WAQTFO order by 1 desc?**

SQL> select ename from emp1 order by 1 desc;

ENAME

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

Smith

Smith

Shalu

Scott

Scott

Scott

Nani

Nani

Nani

Bujji

Bujji

11 rows selected.

**# WAQTFO minimum sal from emp table?**

SQL> select min (sal) from ( select distinct sal from emp order by sal desc) t1 where rownum = 4;

MIN(SAL)

----------

**# WAQTFO minimum sal from emp table?**

SQL> select min (sal) from ( select distinct sal from emp1 order by sal desc) t1 where rownum <= 4;

MIN(SAL)

----------

4000

**# WAQTFO minimum sal from emp table?**

SQL> select min (sal) from ( select distinct sal from emp1 order by sal desc) t1 where rownum = 4;

MIN(SAL)

----------

**# WAQTFO minimum sal from emp table?**

SQL> select min (sal) from ( select distinct sal from emp1 order by sal desc) t1 where rownum <= 3;

MIN(SAL)

----------

5000

**# WAQTFO maximum sal from emp table?**

SQL> select max (sal) from ( select distinct sal from emp1 order by sal desc) t1 where rownum <= 4;

MAX(SAL)

----------

10000

**# WAQTFO update all emp sal by 100% who are working in smith dept?**

SQL> update emp1

2 set sal = sal + 1000

3 where deptno in (select deptno from emp1 where ename = 'SMITH');

0 rows updated.

**# WAQTFO delete all the emp records who are grtting sal > scott?**

SQL> delete from emp1

2 where sal > all ( select sal from emp1 where ename = 'SCOTT');

11 rows deleted.

**# Create a student table.**

SQL> create table student (sno number, sname varchar(20), status varchar(20));

Table created.

**# Insert row 1 in student table.**

SQL> insert into student (sno, sname, status) values ('1','s1','p');

1 row created.

**# Insert row 2 in student table.**

SQL> insert into student (sno, sname, status) values ('2','s2','f');

1 row created.

**# Display student table.**

SQL> select \* from student;

SNO SNAME STATUS

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

1 s1 p

2 s2 f

**# Update student table.**

SQL> update student

2 set status = case

3 when status = 'P' then 'F'

4 else 'P'

5 end

6 where sno is not null;

2 rows updated.

**# Create another username and password.**

SQL> create user nani identified by bujji143;

User created.

**# Grant dba.**

SQL> grant dba to nani;

Grant succeeded.

# Create table t2.

SQL> create table t2(c1 number(10));

Table created.

**# Alter table t2.**

SQL> alter table t2 add c2 number(20);

Table altered.

**# Drop column c2 in table t2.**

SQL> alter table t2 drop column c2;

Table altered.

**# Rename column c1 to c11 in table t2.**

SQL> alter table t2 rename column c1 to c11;

Table altered.

**# Rename table t2 to t22.**

SQL> alter table t2 rename to t22;

Table altered.

SQL> spool off