**Functions**

**#1**

select substr( name, instr(name, '/')+1) || ' ' ||

2 substr( name, 1, instr(name, '/')-1) as FullName from employee;

FULLNAME

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James Smith

Ron K Johnson

Fred Ann Hobbs

Jones Mary

Susan Doe

**#2**

SQL> select 16, power(16,2), power(16,3), sqrt(16)

2 from dual;

16 POWER(16,2) POWER(16,3) SQRT(16)

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16 256 4096 4

**#3**

SQL> select 456.889, round(456.889,2), trunc(456.889,2) from dual;

456.889 ROUND(456.889,2) TRUNC(456.889,2)

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456.889 456.89 456.88

**#4**

SQL> select sysdate, next\_day(sysdate,'THURSDAY') from dual;

SYSDATE NEXT\_DAY(

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19-SEP-14 25-SEP-14

**#5**

SQL> select sysdate, next\_day(sysdate,2) from dual;

SYSDATE NEXT\_DAY(

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19-SEP-14 22-SEP-14

**#6**

SQL> select sysdate, to\_char(sysdate,'MM') from dual;

SYSDATE TO

--------- --

19-SEP-14 09

**#7**

SQL> select to\_char(89-100,'99pr') from dual;

TO\_C

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<11>

**#8**

select emp\_id, name, title, bonus,

decode(title, 'Salesperson',bonus+100,

'Senior Manager', bonus+200,

bonus) update\_bonus

from employee;

EMP\_ NAME TITLE BONUS UPDATE\_BONUS

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01 Smith/James Salesperson 2500 2600

02 Johnson/Ron K Senior Manager 3500 3700

03 Hobbs/Fred Ann Salesperson 2500 2600

04 Mary/Jones CEO 8000 8000

05 Doe/Susan Salesperson 2600 2700

**#9**

select substr(salary,3,2) || mod(salary,3) || substr(name,1,instr(name,'/')-1)

2 || length(bonus) from employee;

SUBSTR(SALARY,3,2)||MOD(SALARY,3)||SUBSTR(NAME,1,INSTR(NAME,'/')-1)||LENGTH(BONU

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600Smith4

700Johnson4

700Hobbs4

360Mary4

640Doe4

**#10**

select title, count(bonus), sum(bonus)

2 from employee group by title;

TITLE COUNT(BONUS) SUM(BONUS)

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Salesperson 3 7600

Senior Manager 1 3500

CEO 1 8000

**#11**

select name, title, count(bonus), sum(bonus)

2 from employee where bonus <=2500 group by title, name;

NAME TITLE COUNT(BONUS) SUM(BONUS)

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Smith/James Salesperson 1 2500

Hobbs/Fred Ann Salesperson 1 2500

**#12**

SQL> select title, count(bonus), sum(bonus) from employee **where bonus > 2500** group by title **having sum(bonus)>3000**;

TITLE COUNT(BONUS) SUM(BONUS)

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Senior Manager 1 3500

CEO 1 8000

**#13**

select deptno, sum(sal), avg(sal)

from emp where job != 'CLERK'

group by deptno

having deptno != 30

5 order by deptno;

DEPTNO SUM(SAL) AVG(SAL)

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10 7450 3725

20 8975 2991.66667