```
SQL> SET PAGESIZE 400
SQL> SET LINESIZE 400
SQL> SELECT * FROM user_tables;
SQL> describe USER_TABLES;
SQL> SELECT tablename FROM user_tables;
SELECT tablename FROM user_tables
SQL> SELECT table_name FROM user_tables;
TABLE_NAME
REGIONS
LOCATIONS
DEPARTMENTS
JOBS
EMPLOYEES
JOB_HISTORY
COUNTRIES
7 rows selected.
SQL> SELECT * FROM employees;
SQL> SELECT * FROM countries;
SQL> SELECT * FROM jobs;
SQL> SELECT * FROM job_histor
SQL> SELECT * FROM departments
SQL> SELECT * FROM locations
SQL> ed
Wrote file afiedt.buf
  1* SELECT firstname, lastname, phone number, salary FROM employees
SELECT firstname, lastname, phone number, salary FROM employees
SQL> DESCRIBE employees;
SQL> ed
Wrote file afiedt.buf
  1 SELECT first_name, last_name,
  2* phone_number, salary FROM employees
SQL>
SQL> /
```

```
SQL> ed
Wrote file afiedt.buf
 1 SELECT * FROM employees
 2* WHERE first_name=steven
SQL> /
WHERE first_name=steven
 1 SELECT * FROM employees
 2* WHERE first_name='steven'
 1 SELECT * FROM employees
 2* WHERE first name='STEVEN'
    SELECT * FROM employees
 2* WHERE first_name='Steven'
 1 SELECT * FROM employees
 2* WHERE UPPER(first_name)='STEVEN'
 1 SELECT * FROM employees
 2* WHERE INITCAP(first_name)='Steven'
 1
    SELECT * FROM employees
 2 WHERE LOWER(first_name)='steven'
 3*
                    LOWER(last_name)='king'
SQL> /
               LOWER(last_name) = 'king'
 SELECT * FROM employees
 2 WHERE LOWER(first_name)='steven'
 3* AND LOWER(last_name)='king'
 1 SELECT * FROM employees
 2* WHERE employee_id=143
 1 SELECT * FROM employees
 2* WHERE employee_id='143'
 1 SELECT * FROM employees
 2* WHERE employee_id=100
SQL> /
WHERE employee_id=100
                     ,150
                          200
ERROR at line 2:
ORA-00933: SQL command not properly ended
SOL> ed
Wrote file afiedt.buf
 1 SELECT * FROM employees
 2* WHERE employee_id IN (100,150,200)
SQL> /
SQL> REM CONCATENATION
SQL> ED
 1* SELECT first_name, last_name, salary FROM employees
```

```
1* SELECT first_name | last_name, salary FROM employees
SQL> /
SQL> ed
Wrote file afiedt.buf
  1* SELECT first_name||' '|| last_name||salary FROM employees
SQL> /
  1* SELECT first_name||' '|| last_name||' '||salary FROM employees
SOL> /
SQL> ed
* SELECT LPAD(first_name)||' '|| LPAD(last_name)||' is making
                                                                    '||salary|| '
monthly.' FROM employees
SQL> /
SELECT LPAD(first_name)||' '|| LPAD(last_name)||' is making
                                                                     ∕salary|| '
monthly.' FROM employees
  1* SELECT LPAD(first_name,12)||' '|| LPAD(last_name(12)
                                                                 is making
'||salary|| ' monthly.' FROM employees
SQL> /
LPAD(FIRST_NAME, 12) | | ' ' | LPAD(LAST_NAME, 12) | | ' LEMAKING' | SALARY | | 'MONTHLY.'
  1* SELECT RPAD(first_name,12)||' '|| RPAD(last_name,12)||' is making
'||salary|| ' monthly.' FROM employees
SOL> /
RPAD(FIRST_NAME, 12) | | ' ' | RPAD(LAST_NAME 12) | ISMAKING' | SALARY | 'MONTHLY.'
                                   RCAD(last_name,12)||' is making '||salary|| '
  1* SELECT RPAD(first_name,12)
monthly.' FROM employees
SQL> /
RPAD(FIRST_NAME, 12) | RPAD (LAST NAME, 12) | | 'ISMAKING' | | SALARY | | 'MONTHLY.'
                                    24000 monthly.
Steven
            King
                          is making
Neena
                          is making
                                      17000 monthly.
            Kochhar
            De Haan
                           s making
                                      17000 monthly.
Lex
  1* SELECT RPAD(first_name,12)|| RPAD(last_name,12)||'is making '||salary|| '
monthly.' FROM employees
SOL> /
RPAD(FIRST_NAME, 12) | RPAD(LAST_NAME, 12) | | 'ISMAKING' | SALARY | 'MONTHLY.'
                                     24000 monthly.
Steven
            King
                        is making
Neena
            Kochhar
                        is making
                                     17000 monthly.
  1* SELECT RPAD(first_name,12)|| RPAD(last_name,12)||'is making
'||RPAD(salary,6)|| 'monthly.' FROM employees
SQL> /
RPAD(FIRST_NAME, 12) | RPAD(LAST_NAME, 12) | | 'ISMAKING' | RPAD(SALARY, 6) | 'MONTHLY.'
Steven
          King
                       is making 24000 monthly.
```

```
1* SELECT RPAD(first_name,12)|| RPAD(last_name,12)||'is making
'||LPAD(salary,6)|| 'monthly.' FROM employees
SQL> /
RPAD(FIRST_NAME, 12) | RPAD(LAST_NAME, 12) | 'ISMAKING' | LPAD(SALARY, 6) | 'MONTHLY.'
______
_____
         King
                    is making 24000monthly.
 1* SELECT RPAD(first_name,12)|| RPAD(last_name,12)||'is making
'||LPAD(salary,6)|| ' monthly.' FROM employees
SOL> /
RPAD(FIRST_NAME, 12) | RPAD(LAST_NAME, 12) | | 'ISMAKING' | LPAD(SALARY, 6) | 'MONTHLY.'
     Steven King is making 24000 monthly. Neena Kochhar is making 17000 monthly.
Neena
1* SELECT RPAD(first_name,12)|| RPAD(last_name,12)|| is waking '||LPAD(salary,6)|| ' monthly.' AS employee_monthly_calary_ROM employees
SQL> /
EMPLOYEE_MONTHLY_SALARY
_____
_____
Steven King is making 24000
Neena Kochhar is making 170
                                 17000 monthly.
 1* SELECT RPAD(first_name,12)|| RPAD(last hame,12)||'is making
'||LPAD(salary,6)|| ' monthly.' As "Amployee Monthly Salary" FROM employees
SQL> /
Employee Monthly Salary
                     is making 24000 monthly.
Steven King
Neena
          Kochhan
          De Haan
                    is making
                                 17000 monthly.
 1* SELECT RPAD(first_name,12)|| RPAD(last_name,12)||'is making
'||LPAD(salary,6)|| ' monthly.' AS "Employee Monthly Salary" FROM employees
SOL> /
Employee Monthly Salary
         King is making 24000 monthly.
Kochhar is making 17000 monthly.
De Haan is making 17000 monthly.
Steven
Neena
Lex
 1* SELECT first_name, last_name, salary, commission_pct FROM employees
SQL> /
                 LAST_NAME
FIRST_NAME
                                             SALARY COMMISSION_PCT
______ ____
Steven
                 King
                                              24000
```

Kochhar is making 17000 monthly.

Neena

Neena Kochhar 17000

```
1* SELECT first_name, last_name, salary, commission_pct , salary+commission_pct FROM
employees
SQL> /
                                              SALARY COMMISSION_PCT
FIRST_NAME
                  LAST_NAME
SALARY+COMMISSION_PCT
_____
                   King
                                               24000
Steven
  1* SELECT first_name, last_name, salary, commission_pct , salary+salary*commission_pct
FROM employees
SQL> /
                                              SALARY COMMISSION_PCT
FIRST_NAME
                   LAST_NAME
SALARY+SALARY*COMMISSION_PCT
._____ ____
                   Kina
                                               24000
Steven
                                               17000
Neena
                   Kochhar

↑ WL(commission_pct,0) FROM

  1* SELECT first_name, last_name, salary, commission_of
employees
SQL> /
FIRST NAME
                                              SALARY COMMISSION PCT
                   LAST NAME
NVL(COMMISSION_PCT,0)
                                               24000
Steven
                   King
  1* SELECT first_name, last_name
                              salary,commission_pct , NVL(commission_pct,.1) FROM
employees
SQL> /
                                              SALARY COMMISSION_PCT
FIRST_NAME
NVL(COMMISSION_PCT
                              ______ ___
Steven
                   King
                                               24000
.1
  1* SELECT first_name, last_name, salary, commission_pct , NVL(commission_pct,0),
salary+salary*NVL(commission_pct,0) FROM employees
SQL> /
FIRST_NAME
                                              SALARY COMMISSION_PCT
                   LAST_NAME
NVL(COMMISSION_PCT,0) SALARY+SALARY*NVL(COMMISSION_PCT,0)
                                               24000
Steven
                   King
                             24000
```

```
salary+salary*NVL(commission_pct,.2) FROM employees
SQL> /
FIRST_NAME
                    LAST_NAME
                                                  SALARY COMMISSION_PCT
NVL(COMMISSION_PCT,.2) SALARY+SALARY*NVL(COMMISSION_PCT,.2)
                                                   24000
Steven
                    King
                                 28800
. 2
                    Kochhar
                                                   17000
Neena
  1* SELECT first_name, last_name, salary, commission_pct ,
salary+salary*NVL(commission_pct,.2) FROM employees
SQL> /
FIRST NAME
                    LAST NAME
                                                  SALARY COMMISSION_PCT
SALARY+SALARY*NVL(COMMISSION_PCT,.2)
_____
                                                   24000
Steven
                    King
28800
  1* SELECT first_name, last_name, salary, commission_pct(
salary+salary*NVL(commission_pct,.2) as Monthly_Salary FROM employees
SQL>
FIRST_NAME
                    LAST_NAME
                                                  SALARY COMMISSION_PCT
MONTHLY SALARY
                                                   24000
Steven
                    King
28800
                                   ry salary *NVL (commission_pct,.2) as
  1* SELECT first_name, last_name
Monthly_Salary FROM employees
SQL> /
FIRST_NAME
                    LAST
                                              MONTHLY_SALARY
                    Kino
                                                       28800
Steven
  1 SELECT first_name, last_name, salary+salary*NVL(commission_pct,.2) as
Monthly_Salary FROM employees
  2 WHERE UPPER(first name)='LUIS'
  3* AND UPPER(last_name)='POPP'
SOL> /
FIRST_NAME
                    LAST_NAME
                                            MONTHLY SALARY
______
                                                       8280
Luis
                    Popp
  1 SELECT first_name,last_name,salary+salary*NVL(commission_pct,.2) as
Yearly_Salary FROM employees
  2 WHERE UPPER(first_name)='LUIS'
  3* AND UPPER(last_name)='POPP'
SQL> /
FIRST_NAME
                   LAST_NAME
                                              YEARLY_SALARY
```

1\* SELECT first\_name, last\_name, salary, commission\_pct , NVL(commission\_pct,.2),

```
SELECT first_name, last_name, (salary+salary*NVL(commission_pct,.2))*12 as
Yearly_Salary FROM employees
  2 WHERE UPPER(first_name)='LUIS'
  3* AND UPPER(last name)='POPP'
SQL> /
FIRST_NAME
                   LAST_NAME
                                             YEARLY_SALARY
______ ____
Luis
                    Popp
                                                      99360
  1 SELECT first name, last name, salary+salary*NVL(commission pct,.2) as
Monthly_Salary,(salary+salary*NVL(commission_pct,.2))*12 as Yearly_Salary FROM
employees
  2 WHERE UPPER(first_name)='LUIS'
  3* AND UPPER(last_name)='POPP'
SQL> /
FIRST_NAME
                    LAST NAME
                                             MONTHLY_SALARY YEARLY_SALARY
                                                        280
                                                                    99360
Luis
                    qqoq
  1 SELECT first_name, last_name, salary+salary*NVL(comm(ssim_pct,.2) as
Monthly_Salary, (salary+salary*NVL(commission_pct,.2)
                                                       as Yearly_Salary FROM
employees
  2* WHERE employee_id IN (100, 150, 200, 199)
                                              MONTHLY_SALARY YEARLY_SALARY
FIRST NAME
                   LAST NAME
                                                       28800
Steven
                                                                   345600
                   Kina
1 SELECT first_name, last_name, salary communication_pct,
NVL(commission_pct,.2), salary+salary*NVL(commission_pct,.2) as
employees
  2* WHERE employee_id IN (100, 150, 200, 199)
SQL> /
FIRST_NAME
                         NAME
                                                 SALARY COMMISSION PCT
NVL(COMMISSION_PCT, 2) MONTHDY_SALARY YEARLY_SALARY
Steven
                                                   24000
. 2
           28800
                        345600
Peter
                    Tucker
                                                                    . 3
  1 (SELECT first_name, last_name, salary, commission_pct,
NVL(commission_pct,.2), salary+salary*NVL(commission_pct,.2) as
Monthly_Salary,(salary+salary*NVL(commission_pct,.2))*12 as Yearly_Salary FROM
employees
  2 WHERE employee_id IN (100, 150, 200, 199))
  4 (SELECT first_name, last_name, salary, commission_pct,
NVL(commission_pct,.2),salary+salary*NVL(commission_pct,.2) as
Monthly_Salary,(salary+salary*NVL(commission_pct,.1))*12 as Yearly_Salary FROM
employees
  5 WHERE employee_id IN (101, 151, 201, 198))
  6
           UNION
    (SELECT first_name, last_name, salary, commission_pct,
```

NVL(commission\_pct,.2), salary+salary\*NVL(commission\_pct,.2) as

```
Monthly_Salary,(salary+salary*NVL(commission_pct,.1))*12 as Yearly_Salary FROM
employees
  8* WHERE employee_id IN (107, 157, 203, 197))
  9
FIRST NAME
                    LAST NAME
                                                 SALARY COMMISSION PCT
NVL(COMMISSION_PCT,.2) MONTHLY_SALARY YEARLY_SALARY
                                                                   .25
                                                    9500
David
                    Bernstein
            11875
.25
                    142500
Diana
                    Lorentz
                                                    4200
  1 (SELECT employee_id,first_name,last_name,salary,commission_pct,
NVL(commission_pct,.2), salary+salary*NVL(commission_pct,.2) as
Monthly_Salary,(salary+salary*NVL(commission_pct,.2))*12 as Yearly_Salary FROM
employees
  2 WHERE employee_id IN (100, 150, 200, 199))
     (SELECT first_name, last_name, salary, commission_pct,
NVL(commission_pct,.2), salary+salary*NVL(commission_pct,.2)
Monthly_Salary,(salary+salary*NVL(commission_pct,.1))*12 / Syearly_Salary FROM
employees
  5
    WHERE employee_id IN (101, 151, 201, 198))
  6
           UNION
     (SELECT first_name, last_name, salary, commission)
  7
NVL(commission_pct,.2),salary+salary*NVL(commission_sct
                                                      /.2) as
Monthly_Salary,(salary+salary*NVL(commission_pct, \))*12 as Yearly_Salary FROM
employees
  8* WHERE employee_id IN (107, 157, 203,
SOL> /
(SELECT employee_id,first_name,last_name,salary, commission_pct,
NVL(commission_pct,.2), salary+salary*NVL(commission_pct,.2) as
Monthly_Salary, (salary+salary*NVL(commyssion oct,.2))*12 as Yearly_Salary FROM
employees
  1 (SELECT employee_id,first_name,last_name,salary, commission_pct,
NVL(commission_pct,.2), salary+salary*NVL(commission_pct,.2) as
Monthly_Salary,(salary+salary*WVL(commission_pct,.2))*12 as Yearly_Salary FROM
employees
  2 WHERE employee id IN (100, 150, 200, 199))
                                   UNION
    (SELECT employee_id,first_name,last_name,salary, commission_pct,
NVL(commission pct,.2), salary+salary*NVL(commission pct,.2) as
Monthly_Salary,(salary+salary*NVL(commission_pct,.1))*12 as Yearly_Salary FROM
employees
  5 WHERE employee_id IN (101, 151, 201, 198))
  6
           UNION
    (SELECT employee_id,first_name,last_name,salary, commission_pct,
NVL(commission_pct,.2), salary+salary*NVL(commission_pct,.2) as
Monthly_Salary,(salary+salary*NVL(commission_pct,.1))*12 as Yearly_Salary FROM
employees
  8* WHERE employee_id IN (107, 157, 203, 197))
SQL> /
EMPLOYEE_ID FIRST_NAME
                                LAST_NAME
                                                             SALARY COMMISSION_PCT
NVL(COMMISSION_PCT,.2) MONTHLY_SALARY YEARLY_SALARY
```