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\_history;

SQL> SELECT \* FROM departments;

SQL> SELECT \* FROM locations;

SQL> ed

Wrote file afiedt.buf

1\* SELECT firstname, lastname, phone number, salary FROM employees

SQL> /

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'

1 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'

\*

1 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=100,150,200

SQL> /

WHERE employee\_id=100,150,200

\*

ERROR at line 2:

ORA-00933: SQL command not properly ended

SQL> 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

SQL> /

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)||'ISMAKING'||SALARY||'MONTHLY.'

1\* SELECT RPAD(first\_name,12)||' '|| RPAD(last\_name,12)||' is making '||salary|| ' monthly.' FROM employees

SQL> /

RPAD(FIRST\_NAME,12)||''||RPAD(LAST\_NAME,12)||'ISMAKING'||SALARY||'MONTHLY.'

1\* SELECT RPAD(first\_name,12)|| RPAD(last\_name,12)||' is making '||salary|| ' monthly.' FROM employees

SQL> /

RPAD(FIRST\_NAME,12)||RPAD(LAST\_NAME,12)||'ISMAKING'||SALARY||'MONTHLY.'

Steven King is making 24000 monthly.

Neena Kochhar is making 17000 monthly.

Lex De Haan is making 17000 monthly.

1\* SELECT RPAD(first\_name,12)|| RPAD(last\_name,12)||'is making '||salary|| ' monthly.' FROM employees

SQL> /

RPAD(FIRST\_NAME,12)||RPAD(LAST\_NAME,12)||'ISMAKING'||SALARY||'MONTHLY.'

Steven King is making 24000 monthly.

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.

Neena Kochhar is making 17000 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.'

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

Steven King is making 24000monthly.

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.'

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

Steven King is making 24000 monthly.

Neena Kochhar 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

SQL> /

EMPLOYEE\_MONTHLY\_SALARY

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

Steven King is making 24000 monthly.

Neena Kochhar 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

SQL> /

Employee Monthly Salary

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

Steven King is making 24000 monthly.

Neena Kochhar is making 17000 monthly.

Lex 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

SQL> /

Employee Monthly Salary

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

Steven King is making 24000 monthly.

Neena Kochhar is making 17000 monthly.

Lex De Haan is making 17000 monthly.

1\* SELECT first\_name,last\_name,salary,commission\_pct FROM employees

SQL> /

FIRST\_NAME LAST\_NAME SALARY COMMISSION\_PCT

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

Steven King 24000

Neena Kochhar 17000

1\* SELECT first\_name,last\_name,salary,commission\_pct , salary+commission\_pct FROM employees

SQL> /

FIRST\_NAME LAST\_NAME SALARY COMMISSION\_PCT SALARY+COMMISSION\_PCT

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

Steven King 24000

1\* SELECT first\_name,last\_name,salary,commission\_pct , salary+salary\*commission\_pct FROM employees

SQL> /

FIRST\_NAME LAST\_NAME SALARY COMMISSION\_PCT SALARY+SALARY\*COMMISSION\_PCT

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

Steven King 24000

Neena Kochhar 17000

1\* SELECT first\_name,last\_name,salary,commission\_pct , NVL(commission\_pct,0) FROM employees

SQL> /

FIRST\_NAME LAST\_NAME SALARY COMMISSION\_PCT NVL(COMMISSION\_PCT,0)

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

Steven King 24000 0

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

SQL> /

FIRST\_NAME LAST\_NAME SALARY COMMISSION\_PCT NVL(COMMISSION\_PCT,.1)

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

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 LAST\_NAME SALARY COMMISSION\_PCT NVL(COMMISSION\_PCT,0) SALARY+SALARY\*NVL(COMMISSION\_PCT,0)

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

Steven King 24000 0 24000

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

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

Steven King 24000 .2 28800

Neena Kochhar 17000

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)

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

Steven King 24000 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

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

Steven King 24000 28800

1\* SELECT first\_name,last\_name,salary+salary\*NVL(commission\_pct,.2) as Monthly\_Salary FROM employees

SQL> /

FIRST\_NAME LAST\_NAME MONTHLY\_SALARY

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

Steven King 28800

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'

SQL> /

FIRST\_NAME LAST\_NAME MONTHLY\_SALARY

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

Luis Popp 8280

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

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

Luis Popp 8280

1 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

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

Luis Popp 8280 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 employee\_id IN (100, 150, 200, 199)

SQL> /

FIRST\_NAME LAST\_NAME MONTHLY\_SALARY YEARLY\_SALARY

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

Steven King 28800 345600

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)

SQL> /

FIRST\_NAME LAST\_NAME SALARY COMMISSION\_PCT NVL(COMMISSION\_PCT,.2) MONTHLY\_SALARY YEARLY\_SALARY

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

Steven King 24000 .2 28800 345600

Peter Tucker 10000 .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))

3 UNION

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

7 (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

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

David Bernstein 9500 .25 .25 11875 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))

3 UNION

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

7 (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))

SQL> /

(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

\*

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))

3 UNION

4 (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

7 (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

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

100 Steven King 24000

1 SELECT employee\_id,first\_name,last\_name,salary FROM employees

2\* WHERE UPPER(first\_name)='J'

3 /

no rows selected

SQL> ED

Wrote file afiedt.buf

1 SELECT employee\_id,first\_name,last\_name,salary FROM employees

2\* WHERE UPPER(first\_name) LIKE 'J%'

SQL> /

EMPLOYEE\_ID FIRST\_NAME LAST\_NAME SALARY

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

110 John Chen 8200

112 Jose Manuel Urman 7800

1 SELECT employee\_id,first\_name,last\_name,salary FROM employees

2\* WHERE UPPER(first\_name) LIKE 'K%'

SQL> /

EMPLOYEE\_ID FIRST\_NAME LAST\_NAME SALARY

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

119 Karen Colmenares 2500

124 Kevin Mourgos 5800

135 Ki Gee 2400

1 SELECT employee\_id,first\_name,last\_name,salary FROM employees

2\* WHERE UPPER(first\_name) LIKE 'L%'

SQL> /

EMPLOYEE\_ID FIRST\_NAME LAST\_NAME SALARY

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

102 Lex De Haan 17000

113 Luis Popp 6900

1 (SELECT employee\_id,first\_name,last\_name,salary FROM employees

2 WHERE UPPER(first\_name) LIKE 'J%')

3 UNION

4 (SELECT employee\_id,first\_name,last\_name,salary FROM employees

5 WHERE UPPER(first\_name) LIKE 'K%')

6 UNION

7 (SELECT employee\_id,first\_name,last\_name,salary FROM employees

8\* WHERE UPPER(first\_name) LIKE 'L%')

SQL> /

EMPLOYEE\_ID FIRST\_NAME LAST\_NAME SALARY

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

102 Lex De Haan 17000

110 John Chen 8200

112 Jose Manuel Urman 7800

1 (SELECT employee\_id,first\_name,last\_name,salary FROM employees

2 WHERE UPPER(first\_name) LIKE 'J%')

3 UNION

4 (SELECT employee\_id,first\_name,last\_name,salary FROM employees

5 WHERE UPPER(first\_name) LIKE 'K%')

6 UNION

7 (SELECT employee\_id,first\_name,last\_name,salary FROM employees

8 WHERE UPPER(first\_name) LIKE 'L%')

9\* ORDER BY first\_name

10 /

EMPLOYEE\_ID FIRST\_NAME LAST\_NAME SALARY

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

177 Jack Livingston 8400

127 James Landry 2400

afiedt.buf

1\* SELECT first\_name, SUBSTR(first\_name,1,3) FROM employees

1\* SELECT first\_name, SUBSTR(first\_name,1,3), SUBSTR(first\_name,2,3) ,SUBSTR(first\_name,3,3) FROM employees

SQL> /

FIRST\_NAME SUBSTR(FIRST SUBSTR(FIRST SUBSTR(FIRST

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

1\* SELECT first\_name, SUBSTR(first\_name,1,1), SUBSTR(first\_name,2,3) ,SUBSTR(first\_name,3,3) FROM employees

SQL> /

FIRST\_NAME SUBS SUBSTR(FIRST SUBSTR(FIRST

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

FIRST\_NAME SUBS SUBSTR(FIRST SUBSTR(FIRST

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

Ellen E lle len

Sundar S und nda

Mozhe M ozh zhe

David D avi vid

1 SELECT \*

2 FROM employees

3\* WHERE SUBSTR(UPPER(first\_name,1,1)) IN ('J','K','L')

SQL> /

WHERE SUBSTR(UPPER(first\_name,1,1)) IN ('J','K','L')

\*

1 SELECT \*

2 FROM employees

3\* WHERE SUBSTR(first\_name,1,1) IN ('J','K','L')

SQL> /

EMPLOYEE\_ID FIRST\_NAME LAST\_NAME EMAIL PHONE\_NUMBER HIRE\_DATE JOB\_ID SALARY COMMISSION\_PCT MANAGER\_ID DEPARTMENT\_ID

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

Whalen JWHALEN 515.123.4444 17-SEP-87 AD\_ASST 4400 101 10

29 rows selected.

SQL> ED

Wrote file afiedt.buf

1 (SELECT \*

2 FROM employees

3 WHERE UPPER(first\_name) LIKE 'J%')

4 UNION

5 (SELECT \*

6 FROM employees

7 WHERE UPPER(first\_name) LIKE 'K%')

8 UNION

9 (SELECT \*

10 FROM employees

11 WHERE UPPER(first\_name) LIKE 'L%')

12\* ORDER BY first\_name)

13 /

ORDER BY first\_name)

\*

ERROR at line 12:

ORA-00904: "FIRST\_NAME": invalid identifier

SQL> ED

Wrote file afiedt.buf

1 (SELECT \*

2 FROM employees

3 WHERE UPPER(first\_name) LIKE 'J%')

4 UNION

5 (SELECT \*

6 FROM employees

7 WHERE UPPER(first\_name) LIKE 'K%')

8 UNION

9 (SELECT \*

10 FROM employees

11\* WHERE UPPER(first\_name) LIKE 'L%')

12 /

EMPLOYEE\_ID FIRST\_NAME LAST\_NAME EMAIL PHONE\_NUMBER HIRE\_DATE JOB\_ID SALARY COMMISSION\_PCT MANAGER\_ID DEPARTMENT\_ID

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

102 Lex De Haan LDEHAAN 515.123.4569 13-JAN-93 AD\_VP 17000

1 SELECT SUM(salary)

2\* FROM employees

3 /

SUM(SALARY)

-----------

691400

1 SELECT MAX(salary)

2\* FROM employees

SQL> /

MAX(SALARY)

-----------

24000

1 SELECT MIN(salary)

2\* FROM employees

SQL> /

MIN(SALARY)

-----------

2100

SQL> ED

Wrote file afiedt.buf

1 SELECT AVG(salary)

2\* FROM employees

SQL> /

AVG(SALARY)

-----------

6461.68224

SQL> ED

Wrote file afiedt.buf

1 SELECT MAX(salary),MIN(salary),AVG(salary),SUM(salary),STDDEV(salary),VARRIANCE(salary)

2\* FROM employees

SQL> /

SELECT MAX(salary),MIN(salary),AVG(salary),SUM(salary),STDDEV(salary),VARRIANCE(salary)

\*

1 SELECT MAX(salary),MIN(salary),AVG(salary),SUM(salary),STDDEV(salary),VARIANCE(salary)

2\* FROM employees

SQL> /

MAX(SALARY) MIN(SALARY) AVG(SALARY) SUM(SALARY) STDDEV(SALARY) VARIANCE(SALARY)

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

24000 2100 6461.68224 691400 3909.36575 15283140.5

SQL> ED

Wrote file afiedt.buf

1 SELECT MAX(salary),MIN(salary),AVG(salary),SUM(salary),STDDEV(salary),VARIANCE(salary), COUNT(salary)

2\* FROM employees

SQL> /

MAX(SALARY) MIN(SALARY) AVG(SALARY) SUM(SALARY) STDDEV(SALARY) VARIANCE(SALARY) COUNT(SALARY)

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

24000 2100 6461.68224 691400 3909.36575 15283140.5 107

SQL> ed

Wrote file afiedt.buf

1 SELECT MAXIMUM(salary),MINIMUM(salary),AVERAGEG(salary),SUM(salary),STDDEV(salary),VARIANCE(salary), COUNT(salary)

2\* FROM employees

SQL> /

SELECT MAXIMUM(salary),MINIMUM(salary),AVERAGEG(salary),SUM(salary),STDDEV(salary),VARIANCE(salary), COUNT(salary)

\*

ERROR at line 1:

ORA-00904: "AVERAGEG": invalid identifier

SQL> ED

Wrote file afiedt.buf

1 SELECT MAXIMUM(salary),MINIMUM(salary),AVERAGE(salary),SUM(salary),STDDEV(salary),VARIANCE(salary), COUNT(salary)

2\* FROM employees

SQL> /

SELECT MAXIMUM(salary),MINIMUM(salary),AVERAGE(salary),SUM(salary),STDDEV(salary),VARIANCE(salary), COUNT(salary)

\*

ERROR at line 1:

ORA-00904: "AVERAGE": invalid identifier

SQL> ED

Wrote file afiedt.buf

1 SELECT MAXIMUM(salary),MINIMUM(salary),AVG(salary),SUM(salary),STDDEV(salary),VARIANCE(salary), COUNT(salary)

2\* FROM employees

SQL> /

SELECT MAXIMUM(salary),MINIMUM(salary),AVG(salary),SUM(salary),STDDEV(salary),VARIANCE(salary), COUNT(salary)

\*

1 SELECT MAXIMUM(salary),MIN(salary),AVG(salary),SUM(salary),STDDEV(salary),VARIANCE(salary), COUNT(salary)

2\* FROM employees

SQL> /

SELECT MAXIMUM(salary),MIN(salary),AVG(salary),SUM(salary),STDDEV(salary),VARIANCE(salary), COUNT(salary)

\*

1 SELECT MAX(salary),MIN(salary),AVG(salary),SUM(salary),STDDEV(salary),VARIANCE(salary), COUNT(salary)

2\* FROM employees

SQL> /

MAX(SALARY) MIN(SALARY) AVG(SALARY) SUM(SALARY) STDDEV(SALARY) VARIANCE(SALARY) COUNT(SALARY)

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

24000 2100 6461.68224 691400 3909.36575 15283140.5 107

1 SELECT MAX(salary)

2\* FROM employees

SQL> /

MAX(SALARY)

-----------

24000

SQL> ED

Wrote file afiedt.buf

1 SELECT \*

2 FROM employees

3\* WHERE salary=24000

SQL> /

EMPLOYEE\_ID FIRST\_NAME LAST\_NAME EMAIL PHONE\_NUMBER HIRE\_DATE JOB\_ID SALARY COMMISSION\_PCT MANAGER\_ID DEPARTMENT\_ID

100 Steven King SKING 515.123.4567 17-JUN-87 AD\_PRES 24000 90

1 SELECT \*

2 FROM employees

3\* WHERE salary=MAX(salary)

SQL> ed

Wrote file afiedt.buf

1 SELECT \*

2 FROM employees

3 WHERE salary=(SELECT MAX(salary)

4\* FROM employees)

5 /

EMPLOYEE\_ID FIRST\_NAME LAST\_NAME EMAIL PHONE\_NUMBER HIRE\_DATE JOB\_ID SALARY COMMISSION\_PCT MANAGER\_ID DEPARTMENT\_ID

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

100 Steven King SKING 515.123.4567 17-JUN-87 AD\_PRES 24000 90

EMPLOYEE\_ID FIRST\_NAME LAST\_NAME EMAIL PHONE\_NUMBER HIRE\_DATE JOB\_ID SALARY COMMISSION\_PCT

1 SELECT \*

2 FROM employees

3 WHERE salary>(SELECT AVG(salary)

4\* FROM employees)

1 SELECT \*

2 FROM employees

3 WHERE salary<(SELECT AVG(salary)

4\* FROM employees)

1 SELECT \*

2 FROM employees

3\* WHERE salary=2600

1 SELECT \*

2 FROM employees

3 WHERE salary=(SELECT \*

4 FROM employees

5 WHERE UPPER(first\_name)='DOUGLAS'

6 AND

7\* UPPER(last\_name)='GRANT')

8 /

WHERE salary=(SELECT \*

\*

1 SELECT \*

2 FROM employees

3 WHERE salary=SELECT \*

4 FROM employees

5 WHERE UPPER(first\_name)='DOUGLAS'

6 AND

7\* UPPER(last\_name)='GRANT'

SQL> /

WHERE salary=SELECT \*

\*

1 SELECT \*

2 FROM employees

3 WHERE salary IN (SELECT \*

4 FROM employees

5 WHERE UPPER(first\_name)='DOUGLAS'

6 AND

7\* UPPER(last\_name)='GRANT')

SQL> /

WHERE salary IN (SELECT \*

1 SELECT first\_name, last\_name, salary

2 FROM employees

3 WHERE salary IN (SELECT first\_name, last\_name, salary

4 FROM employees

5 WHERE UPPER(first\_name)='DOUGLAS'

6 AND

7\* UPPER(last\_name)='GRANT')

SQL> /

WHERE salary IN (SELECT first\_name, last\_name, salary

\*

1 SELECT first\_name, last\_name, salary

2 FROM employees

3 WHERE salary IN (SELECT salary

4 FROM employees

5 WHERE UPPER(first\_name)='DOUGLAS'

6 AND

7\* UPPER(last\_name)='GRANT')

SQL> /

FIRST\_NAME LAST\_NAME SALARY

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

Douglas Grant 2600

Donald OConnell 2600

Randall Matos 2600

Guy Himuro 2600

SQL> spool off