

SQL*Plus Exercise

The following exercise requires the existence of a table called dept. You may already have this table from a previous exercise. If not, type in and run the following scripts:

```
CREATE TABLE dept
(
  deptno    NUMBER(2),
  dname     CHAR(14),
  loc       CHAR(13),
  PRIMARY KEY (deptno)
);

INSERT INTO dept VALUES (10, 'ACCOUNTING', 'NEW YORK');
INSERT INTO dept VALUES (20, 'RESEARCH', 'DALLAS');
INSERT INTO dept VALUES (30, 'SALES', 'CHICAGO');
INSERT INTO dept VALUES (40, 'OPERATIONS', 'BOSTON');
```

The SQL Buffer

Now type in the following – note do NOT put a semi-colon at the end of the command:

```
SQL> SELECT deptno, dname <ret>
      2 FROM <ret>
      3 dept <ret>
      4 <ret>
SQL>
```

Use the LIST command to see what is in the buffer

Use the / command to run the SQL statement.

Use the RUN command to run the SQL statement.

Change one of the lines of the buffer by typing in:

```
2 FR
```

Try and run the SQL statement again to see what the error message says.

Correct the SQL by typing the line number with the correct line of SQL.

LIST to check it, and then RUN.

Type in the number 2, to change the current line to line 2

Use the CHANGE /oldtext/newtext/ command to change line 2 so that it contains:

FRIM

Try and run it to see what error message you get, and then change the line back to what it should be.

Type SAVE L:\querytest01.sql to save the SQL in the buffer into a script file.

Type START L:\querytest01.sql to run the saved script.

Input From the User

Type the following into Notepad and save into a script file called L:\querytest02.sql

```
PROMPT Type the department you are looking for
ACCEPT deptvar NUMBER PROMPT "Department Number: "
SELECT deptno, dname, loc
FROM dept
WHERE deptno = &deptvar;
```

Then type START L:\querytest02.sql and enter a dept number, such as 30, when prompted.

Type in SET VERIFY OFF and run the script again to note the difference.

SQL IN HTML

Now try to output HTML.

```
SET MARKUP HTML ON
SPOOL ON
SPOOL L:\test01.htm

SELECT * FROM dept;

SPOOL OFF
SET MARKUP HTML OFF
```

Open L:\test01.htm in your browser.