

## Programming Assignment 2-7

In this exercise, you will write a program (called Prog7) that creates and outputs an SQL statement based on user input. The program prompts the user for the following pieces of information:

- table name
- number of column names
- column name (as many occurrences as there are column names)
- salary value

For this exercise, the table name will refer to an imaginary database table that stores customer information, including name, zip, salary, and other columns that you may invent. The SQL statement that your program will output will be of the form

```
SELECT <column names>
FROM <table name>
WHERE salary > <salary value>
```

For example, if the user types in these values:

```
table name = Customer
number of column names = 5
column name = firstname
column name = lastname
column name = salary
column name = state
column name = zip
salary value = 55000
```

then your program would produce the following output:

```
SELECT firstname,lastname,salary,state,zip
FROM Customer
WHERE salary > 55000.0
```

**IMPORTANT:** The output of your program is simply the sql query – just a *String* – printed to the console window. You will not run your query against a real database in this exercise. The exercise is simply to create an sql query (not to run it).