Modify your programming exercise #5 to make main() a control function, that is, main() will control the execution of the other functions that do the actual work. See requirement #2 for details.

**Requirements:**
1. Include header comments that give the following information:
   
   ```
   source file name
   your last name, your first name
   110A - your section number
   
   Task of program
   ```

2. main() should call seven **void** functions which are described below:

   a. **Arguments:** none
      
      **Task:** Outputs the welcome message

   b. **Arguments:** none
      
      **Task:** Sets the format for floating-point output

   c. **Argument:** employee name as an array argument
      
      **Task:** Inputs the name of the employee

   d. **Argument:** previous annual salary by reference
      
      **Task:** Inputs the previous annual salary

   e. **Arguments:** previous annual salary by value
      annual salary increase by reference
      retroactive pay due by reference
      new annual salary by reference
      new monthly salary by reference
      employee counter by reference
      previous annual salary sum by reference
      new annual salary sum by reference

      **Task:** Compute values of all the reference arguments

   f. **Arguments:** employee name as an array argument
      previous annual salary by value
      annual salary increase by value
      retroactive pay due by value
      new annual salary by value
      new monthly salary by value

      **Task:** Outputs the employee report

   g. **Arguments:** employee counter by value
      previous annual salary sum by value
      new annual salary sum by value

      **Task:** Outputs the summary report
3. For each employee, the user must enter the employee's full name and previous annual salary. Use the following test data:

```
Name                      Previous annual salary
Jose Bartolo               100000
Alice Kellenberger         80000
Pat Sweeney                76000.34
end                        (trailer data)
```

4. Your employee report should have the following format:

```
line 1: employee's name
line 2: previous annual salary
line 3: annual salary increase
line 4: retroactive pay due the employee
line 5: new annual salary
line 6: new monthly salary
```

Include an appropriate label for each line. Print one blank line before and after the employee report.

5. Your summary report should have the following format:

```
line 1: count of employees who were processed
line 2: average of previous annual salaries
line 3: average of new annual salaries
line 4: (blank)
line 5: closing message
```

Include an appropriate label for lines 1 through 3.

6. Use a pay increase of 7.6% for employees having an annual salary of 80,000 or less and 6.5% for employees having an annual salary that is greater than 80,000.

7. Use a `while` loop in `main()` to implement an "endless loop". Following the input of the employee's name, use an `if` statement in conjunction with a `break` statement to test for the trailer name and exit the loop.

8. Use good programming style; that is, vertically align the matching braces, indent the block of statements, and use whitespace (blank lines in your program) judiciously.