Clarifications

The input from the Process another staff member? question should be a single character. Assume that Y or y will keep the loop going, but that any other character will terminate the loop.

Important Hints

Hint #1

Remember to include the clear() function, as mentioned in the specifications for the assignment. Your program will not function without it!

Hint #2

You will need to concatenate the first name together with a space and the last name, as well as the last name, a comma and space, and the first name. To do this, you must use two functions found in the **string.h** library (remember to "include" it): **strcpy()** and **strcat()**. Both are void functions and can be used as statements.

strcpy() accepts two arguments. The first is the "result" string variable, and the second is a string value to be assigned to the "result" variable. **strcat**() is similar, except it expects that the string variable in the first argument already has a value, and it will append (or "concatenate" the 2nd argument onto the end of the first's value. Note the following sequence as an example:

```
strcpy(title, "Smoke Rings"); // This assigns "Smoke Rings" to title.
strcat(title, " in the");     // This concatenates " in the" to the end of
title.
strcat(title, " Dark by ");   // This concatenates " Dark by " to the end of
title.
strcat(title, artist);        // This concatenates the char string value
that is
                              // inside of artist to the end of title.
```

Assume here that the variable artist already has a value in it, and it is a string representing the artist's name. After these statements, title will have the value "Smoke Rings in the Dark by Gary Allan" (assuming that artist was previously given the value "Gary Allan" via assignment or input).

A similar program to illustrate this is found in **stringexample.c**, which you may download and run.

Be careful. C doesn't check to see if the first argument's length is long enough to handle the resultant string. You could end up with a General Protection Fault if you go over.

Hint #3

In formatting columnar reports, your width specifier is very important. You won't generally use 0 as a width specifier in such a report. Make the columns as wide as the specs say. A positive number right-justifies the value; a negative number left-justifies the value. Strings are typically left-justified. Remember, if it is a numeric format (such as 6.2), the 6 represents the entire width of the value on the screen/on paper (including the decimal point and the decimal digits), and the 2 represents the number of decimal digits.

Hint #4

It's possible that an employee can make $9.99 per hour or less. Because of this, pay close attention to hint #3 above. I will test your program with one or more sub-$10 hourly wages to make sure everything still lines up!

BEST OF LUCK!!!!