CS1400: Name flipper

CONGRATULATIONS !!! You have just been hired by the ABC Software Development Company. Your first assignment is to write a name flipper function for use in several larger systems. This function is called nameFlipper(). It has one parameter (name). This function takes a name like Bill Salter and converts it to Salter, Bill.

**Assignment**

Write the function as described above. Also write a main() function that tests the nameFlipper() function. The following three tests must be passed before the function is implemented:

<table>
<thead>
<tr>
<th>Input</th>
<th>Expected Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>nameFlipper(&quot;Bill Salter&quot;)</td>
<td>&quot;Salter, Bill&quot;</td>
</tr>
<tr>
<td>nameFlipper(&quot;Michael Green&quot;)</td>
<td>&quot;Green, Michael&quot;</td>
</tr>
<tr>
<td>nameFlipper(&quot;J Graff&quot;)</td>
<td>&quot;Graff, J&quot;</td>
</tr>
</tbody>
</table>

**Pseudo Code**

```python
nameFlipper(name):
    1. find the space in the name
    2. last is everything to the right of the space
    3. first is everything to the left of the space
    4. return last+" , +first

main():
    1. if nameFlipper("Bill Salter") is "Salter, Bill"
        print "Bill Salter passed"
    otherwise
        print "Bill Salter Failed"
    2. Do the same for "Michael Green"
    3. Do the same for "J Graff"
```

**Potential Sessions**

- Bill Salter passed
- Michael Green passed
- J Graff passed

**Additional Challenges**

Support all the above plus a three line name:
nameFlipper("Billy Bob Martin") -> "Martin, Bill Bob"

Support all the above plus a title:
nameFlipper("Sir Alfred Dole") -> "Dole, Alfred Sir"
nameFlipper("Sir Alfred the Red") -> "Red, Alfred the Sir"
nameFlipper("James Foster Jr.") -> "Foster, James Jr."
nameFlipper("Billy Bob Martin Sr.") -> "Martin, Billy Bob Sr."

Do not forget to include tests in your main() function to make sure everything works.

**Show Off Your Work**

To receive credit for this assignment, you must show your source code and demonstrate your running program.

Ask your instructor who they would like you to show the assignment to.