## Week 6 Exercise: Reading HTML and the Internet

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**Instructions**

This assignment has two sections. The first section includes 3 multiple choice questions. The second part of the assignment is a coding exercise.

If you have any questions on how to start or if you get stuck, refer to the discussion board and ask your questions there. You are allowed to use your notes, lectures and the internet. Students can work together on the question portion and discuss the coding exercise. For the coding exercise, you are allowed to talk to other classmates but you cannot have the same code.

Once complete, please save your assignment as a PDF and submit it both to the online course and tag your instructor on Github.

**Multiple Choice (1 point each)**
**Please mark your response in bold.**

1. When you retrieve items from a dictionary in a for loop, in what order are they processed?
    a. Ascending order each time
    **b. An arbitrary order that is the same each time as long as the dictionary doesn't change**
    c. Descending order each time
    d. A different order that is completely random each time

2. What data types can be used for dictionary keys?
    a. Only strings
    b. Strings or numbers
    c. Any data type at all
    **d. Only those data types that are "hashable"**

3. Review this code:

```
thisdict = {
  "brand": "Ford",
  "model": "Mustang",
  "year": 1964
}
print(thisdict)
```

Will the code above print the following?

{'brand': 'Ford', 'model': 'Mustang', 'year': 1964}

   a.  **True**
   b.  False

**Coding Exercise (7 points)**

Create your own HTML list or string in python. Attach a screenshot of it here:

**Logic:**

```
numberList = [1, 2, 3]
stringList = ['four', 'five', 'six']

def createHtmlList(list):
    string = '<ul>\n'
    for item in list:
        string += f'<li>{str(item)}</li>\n'
    string += '</ul>'
    return string

print(createHtmlList(numberList))
print(createHtmlList(stringList))
```

**Result:**

```
<ul>
<li>1</li>
<li>2</li>
<li>3</li>
</ul>
<ul>
<li>four</li>
<li>five</li>
<li>six</li>
</ul>
>
```