Practice 1 - String, List, Tuple, Set, Dictionary

Write the output for the following code segments:

	Code Segment	Output
| 1. | ```python
string1 = 'Hello'
print(string1[len(string1)-1])
string2 = 'Barney'
string2.upper()
print(string2)
string2 = string1+string2
print(string2.count('e'))
position = string2.find('o')
print(string2[0:position+1])
``` | o<br>Barney<br>2<br>4<br>Hello |
| 2. | ```python
alist = [2,4,'even']
print(alist.index("even"))
alist.insert(0,6)
print(alist)
alist.insert(7,6)
print(alist)
print(alist.count(6))
alist.remove(6)
print(alist)
print(alist.pop())
print(alist.append(alist.pop(1)))
print(alist)
``` | 2<br>[6, 2, 4, 'even']<br>[6, 2, 4, 'even', 6]<br>2<br>[2, 4, 'even', 6]<br>6<br>None<br>[2, 'even', 4] |
| 3. | ```python
t1=tuple("String")
print(t1)
t2=tuple([2*x for x in range(1,5)])
print(t2)
print(t2[-1]+len(t1))
``` | ('S', 't', 'r', 'i', 'n', 'g')<br>(2, 4, 6, 8)<br>14 |

| 4. | ```
color1 = {'red','blue','green','blue'}
color2 = {'red','blue','yellow','purple'}
print(color1 | color2)
print(color1 & color2)
print(color1 - color2)
print(color2 - color1)
print(color1.issubset(color2))
color1.remove('green')
print(color2.issuperset(color1))
color1.add(color2)
``` | {'red', 'blue', 'green', 'yellow', 'purple'}<br>{'red', 'blue'}<br>{'green'}<br>{'yellow', 'purple'}<br>False<br>True<br>Error |
|---|---|---|
| 5. | ```
speeds={'B777':896,'A330':840,'E190':811}
speeds['E190']=900
speeds['F16']=800
print(speeds['F16'])
for k,v in speeds.items():
        print(k,v)
for values in speeds.values():
        print(values)
for keys in speeds.keys():
        print(keys)
print(speeds.get('B769',"Not in
dictionary"))
print(speeds.pop('E194','Item not
found'))
print(900 in speeds)
print(900 in speeds.values())
``` | 800<br>B777 896<br>A330 840<br>E190 900<br>F16 800<br>896<br>840<br>900<br>800<br>B777<br>A330<br>E190<br>F16<br>Not in dictionary<br>Item not found<br>False<br>True |