*"""  
Iterable - \_\_iter\_\_() or \_\_getitem\_\_()  
Iterator - \_\_next\_\_()  
Iteration -  
  
  
Simply speaking, a generator is a function that returns an object (iterator) which we can iterate over  
(one value at a time).  
"""***def** gen(n):  
 **for** i **in** range(n):  
 **yield** i  
  
  
g = gen(7)  
print(g.\_\_next\_\_())  
print(g.\_\_next\_\_())  
print(g.\_\_next\_\_())  
print(g.\_\_next\_\_())  
print(g.\_\_next\_\_())  
print(g.\_\_next\_\_())  
print(g.\_\_next\_\_())  
*# print(g.\_\_next\_\_()) # This will give us a error of StopIteration  
  
# String Object is iterable but innteger is not*name = **'Sherry'**itr = iter(name)  
print(itr.\_\_next\_\_())  
print(itr.\_\_next\_\_())