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Syntax of a while loop
        while some_boolean_condition:
            #do something
        else:
            #do something different
In [1]: x = 0
        while x < 5:
            print(f'The current value of x is {x}')
        The current value of x is 0
        The current value of x is 1
        The current value of x is 2
        The current value of x is 3
        The current value of x is 4
In [2]: x = 50
        while x < 5:
            print(f'The current value of x is {x}')
            x += 1
        else:
            print("X IS NOT LESS THAN 5")
        X IS NOT LESS THAN 5
        break, continue, pass
        We can use break, continue, and pass statements in our loops to add additional functionality for various cases. The three statements are defined by:
        break: Breaks out of the current closest enclosing loop. continue: Goes to the top of the closest enclosing loop. pass: Does nothing at all.
In [5]: x = [1,2,3]
        for item in x:
            #comment
            pass
        print('end of my script')
        end of my script
In [8]: mystring = 'sammy'
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In [9]: for letter in mystring:
             print(letter)
         S
         а
         m
         m
         У
In [10]: for letter in mystring:
             if letter == 'a':
                  continue
             print(letter)
         m
         m
         У
In [11]: for letter in mystring:
              if letter == 'a':
                  break
             print(letter)
In [12]: x = 0
          while x<5:</pre>
              print(x)
             x+=1
         0
         1
         2
         3
         4
In [13]: x = 0
          while x<5:</pre>
              if x == 2:
                  break
             print(x)
              x + = 1
         0
         1
 In [ ]:
```