```
Lets begin to learn about control flow
        We often only want certain code to execute when a particular condition has been met
        For example, IF my dog is hungry (some condition), then I will feed the dog (some action)
        To control this flow of logic we use some keywords:
        -if -elif -else
        Control Flow syntac makes use of colons and indentation (whitespace)
        This indentation systems is crucial to Python and si what sets it apart from other programming
        lanaguages.
        Syntax of an IF statement
        if some condition:
            #execute some code
        Anything indentated after the if condition, will be executed.
        We can also add an else statement to the if statement like so:
        if some condition:
            #execute some code
        else:
            #do something else
        We can also add an if/else statement, like so:
        if some condition:
            #execute some code <br>
        elif some other condition:
            # do something different <br>
        else:
            #do something else
In [1]:
          if True:
              print ('ITS TRUE!')
         ITS TRUE!
```

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So we see above, the if TRUE (condition) then print 'ITS TRUE!'

We can also add an operator to our conditions like so:

if loc == 'Auto Shop':

Loading [MathJax]/extensions/Safe.js are cool!")

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In [2]:
          if 3 > 2:
               print ('ITS TRUE!')
          ITS TRUE!
In [11]:
          hungry = True
          if hungry:
               print ('FEED ME!')
          FEED ME!
In [12]:
          hungry = False
          if hungry:
               print ('FEED ME!')
         Notice, when the condition is False, no execution.
         What we can do is add an else statement like so! :) :
In [13]:
          hungry = False
          if hungry:
               print ('FEED ME!')
               print("Im not hungry")
          Im not hungry
In [14]:
          hungry = True
          if hungry:
               print ('FEED ME!')
          else:
               print("Im not hungry")
          FEED ME!
In [16]:
          loc = 'Bank'
          if loc == 'Auto Shop':
               print("Cars are cool!")
               print ("I do not know much.")
          I do not know much.
         We can check for other conditions using elif
In [17]:
          loc = 'Bank'
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elif loc == 'Bank':
              print ("Money is cool!")
          else:
              print ("I do not know much.")
         Money is cool!
In [18]:
          loc = 'Bank'
          if loc == 'Auto Shop':
              print("Cars are cool!")
          elif loc == 'Bank':
              print ("Money is cool!")
          elif loc == 'Store':
              print("Welcome to the store!")
          else:
              print ("I do not know much.")
         Money is cool!
         Now if we change the location, to Auto Shop, we will get a different result like so:
In [19]:
          loc = 'Auto Shop'
          if loc == 'Auto Shop':
              print("Cars are cool!")
          elif loc == 'Bank':
              print ("Money is cool!")
          elif loc == 'Store':
              print("Welcome to the store!")
          else:
              print ("I do not know much.")
         Cars are cool!
In [22]:
          loc = 'Store'
          if loc == 'Auto Shop':
              print("Cars are cool!")
          elif loc == 'Bank':
              print ("Money is cool!")
          elif loc == 'Store':
              print("Welcome to the store!")
          else:
              print ("I do not know much.")
         Welcome to the store!
         If we change the loc to something that is not defined, we will get the else statement. Like so:
In [23]:
          loc = 'Game'
          if loc == 'Auto Shop':
              print("Cars are cool!")
          elif loc == 'Bank':
              print ("Money is cool!")
```

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else:

elif loc == 'Store':

print("Welcome to the store!")

print ("I do not know much.")

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In [24]:
          name = 'Sammy'
          if name == 'Frankie':
              print("Hello Frankie!")
          elif name == 'Sammy':
              print("Hello Sammy")
          else:
              print("What is your name?")
         Hello Sammy
In [25]:
          name = 'Frankie'
          if name == 'Frankie':
              print("Hello Frankie!")
          elif name == 'Sammy':
              print("Hello Sammy")
          else:
              print("What is your name?")
         Hello Frankie!
In [26]:
          name = 'Keegan'
          if name == 'Frankie':
              print("Hello Frankie!")
          elif name == 'Sammy':
              print("Hello Sammy")
              print("What is your name?")
         What is your name?
         In the next chapter, we will learn how to get user input.
 In [ ]:
```