Control

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Control

A *Control* statement instrument the Python robot to take action based on a certain condition.

- Conditional Branch
 - o if else
 - o if elif else
 - match case
- Loop
 - while
 - o for

Some examples of conditional braching:

- If I am hungry, I will eat, otherwise I will play.
- If your age is above 6, you want coffee, otherwise you want milk.
- If your dad is angry, you shut up, otherwise keep whining.

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• If your age is above 6, you want coffee, otherwise you want milk.

What is the pattern?

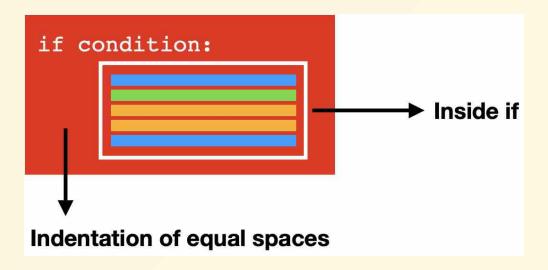
```
if cond:
    #take action when the cond can be satisified (i.e., cond is true)
else:
    #take action when the cond cannot be satisified (i.e., cond is false)
```

if-else

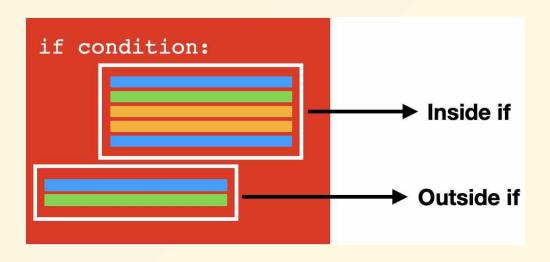
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Love it or Hate it: now you need to know Python indentation.

Watch out, the Python indentation is coming!



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Alright, a quiz, some elements are given below.

- Take an input from the terminal, asking for your age
- If your age is above 6, say I can offer you coffee.
- Otherwise, say Kiddo, I can only offer milk.

```
age = input("Let me know your age:")
age = int(age)
print("I can offer you coffee.")
print("Kiddo, I can only offer you milk.")
```

```
age = input("Let me know your age:")
age = int(age)
if age > 6:
    print("I can offer you coffee.")
else:
    print("Kiddo, I can only offer you milk.")
```

```
age = input("Let me know your age:")
age = int(age)
if age > 6:
    print("I can offer you coffee.")
    print("Do you feel the bitter tase?")
else:
    print("Kiddo, I can only offer you milk.")
    print("Do not forget to say thank you.")
    print("You are welcome!")
```