introduction to python part 2

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INPUT and OUTPUT

- What if we want the user to be able to say something back us?

STORING INPUT IN A VARIABLE

```
variable = input("Prompt the user to give it")
my_var = input("What is your name? ")
```

CONDITIONALS

* IF STATEMENT

→ If we want something to happen only if a certain condition is true

If you have a dog
then you should buy dog food

```
have_dog = True
if have_dog:
    print("You have a dog!")
```

* ELSE STATEMENT

→ If we have an expression in the if statement that resolves to 0 or a False value.

If you have a dog
then you should buy dog food
Otherwise
don't buy it

```
max_weight = 10000
truck_weight = 5000
if truck_weight > max_weight:
    print("The truck exceeds the limit")
else:
    print("You may proceed")
```

LOOPS

- FOR LOOPS
  - If we want to print every item in a list
    Ex: grocery list → print every item in it

```
grocery_list = ["pears", "oatmeal", "almonds"]
for food in grocery_list:
    print(food)
```

FUNCTIONS

- A function is a block of code which only runs when it is called
- It can return data as a result

* CREATING AND CALLING IT

```
def my_function():
    print("Hello from Spain")
my_function()
```

Let's create a thank_you function...

```
def thank_you(names):
    print("Thanks for this course" + names + "!")

thank_you("The Coding School")
thank_you("Qubit by Qubit")
thank_you("IBM")
```

External Libraries

- It's something that comes from an outside source