

Getting started with Python

CS 210: Data Management for Data Science

To run Jupyter:

- run “jupyter notebook” on the command line
- open the URL it prints in a web browser
- navigate to your notebook

A jupyter notebook consists of a series of cells.

They're *usually* executed in order. (But not necessarily!)

What does this program print?

```
myVariable = 10  
myVariable = 20  
print(myVariable)
```

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print(myVariable)
```

So far:

- str
- int, float
- bool

Later:

- list, tuple, range
- dict
- NoneType

```
# Let's print something  
print(2 + 3)  
  
dt = 0.1 # simulation timestep  
  
# You can also do  
# multi-line  
# comments!
```

What does this program print?

```
print("Hello")  
    print("world")
```


There are two values in the **bool** type:

- True
- False

x and y	True if both x and y are True
x or y	True if at least one of x, y is True
not x	True if x is False

```
def myFunc():  
    print("funky")
```

What does this program print?

```
def main():  
    print("Hello, world!")
```

<code>s1.endswith(s2)</code>	Does s1 end with s2?
<code>s1.startswith(s2)</code>	Does s1 start with s2?
<code>s1.find(s2)</code>	Find index of s2 in s1
<code>s.isalpha()</code>	Does s use only letters?
<code>s.isdigit()</code>	Does s use only numbers?
<code>s1.replace(s2, s3)</code>	Replace occurrences of s2 with s3 in s1
<code>s.strip()</code>	Remove whitespace at the beginning/end of s

Let's write a python program to create a basic web page.

- name
- title
- room
- phone