

Python 3
Hello World

Get started with Python syntax in this lesson and then create a point of sale system for a furniture store!

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LESSON

- commands:
 - `print("")`
 - `#` comment
 - `**` superscript
 - `%` remainder
 - `+=` plus-equals
 - `"""`
multi-line
`"""`
 - `input()` assign information
- commands → text files (programs)
- **variables:** store values
 - Name can't have spaces, symbols, (besides `_`), or begin with a number
- **literal:** the actual value number
- **SyntaxError:** program is written wrong
- **NameError:** unknown variable
- **ZeroDivisionError:** when you try to divide by zero
- **int:** whole number
- **float:** decimal number

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PROJECT: BLOCK LETTERS

- **ASCII art:** graphic design technique that consists of pictures pieced together from individual characters.
- Write a Python program called `initials.py` that displays the initials of your name in block letters as shown and dip your toes into ASCII art.

<https://docs.google.com/document/d/1vYvVrrifBWV0TKJP4tFCQCdrmPJAliiIuSa7jt2QTE0/edit?usp=sharing>

PROJECT: RECEIPTS FOR LOVELY LOVESEATS

- In this project, we will be storing the names and prices of a furniture store's catalog in variables. You will then process the total price and item list of customers, printing them to the output terminal.

<https://docs.google.com/document/d/1S386OYoLLCSsH2gzZyOwWg2RVgx4hf4sQ4MTQ3EBqlg/edit?usp=sharing>

ARTICLE: USER INPUT

```
favorite_fruit = input("What is your favorite fruit? ")
What is your favorite fruit? mango

print("Oh cool! I like " + favorite_fruit + " too, but I think
my favorite fruit is apple.")
Oh cool! I like mango too, but I think my favorite fruit is
apple.
```