Introduction to: Python and Data Vis :)
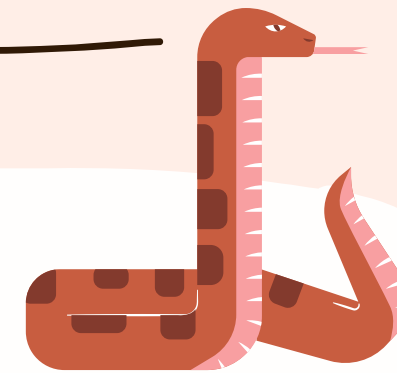
Girls Who Code SJSU
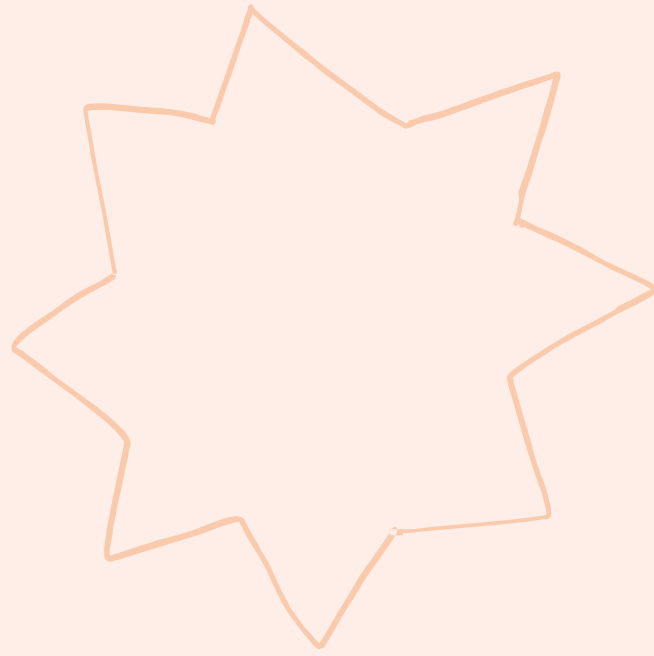
Content

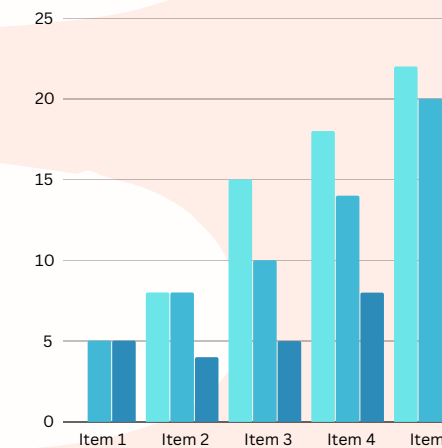# Introduction

What is Python?

Python is an object oriented general language that is used for many things including machine learning, data visualization, building software, visual novels, etc.

Dynamically Typed

Garbage collected (yay)

Guido van Rossum named Python after "Monty Python's Flying Circus" - a BBC comedy series from the 1970s

The same dudes who did Monty Python and the Holy Grail!!

Python Intro

1
noMoreCamels
this_instead

2
this is a comment

3
Indentations instead of {}
def function():
    number = 4
    print(number)

4
No more type declarations!
Just go straight into it:
    x = 4
    first_name = "bob"

5
Quick and easy:
    print("Hello World!")

Datatypes

Name	Type	Description
Integers	int	Whole numbers, such as: **3 300 200**
Floating point	float	Numbers with a decimal point: **2.3 4.6 100.0**
Strings	str	Ordered sequence of characters: **"hello" 'Sammy' "2000" "楽しい"**
Lists	list	Ordered sequence of objects: **[10,"hello",200.3]**
Dictionaries	dict	Unordered Key:Value pairs: **{"mykey" : "value" , "name" : "Frankie"}**
Tuples	tup	Ordered immutable sequence of objects: **(10,"hello",200.3)**
Sets	set	Unordered collection of unique objects: **{"a","b"}**
Booleans	bool	Logical value indicating **True** or **False**

Activity Time

https://tinyurl.com/yckpm2ub

You will not be able to edit this
file! Please make a copy :)

Let's begin!