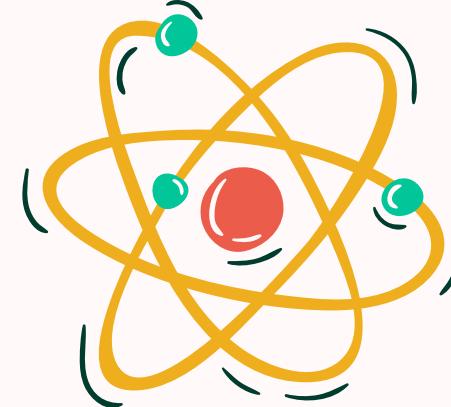


THE BOOTCAMP TO CODING WITH PYTHON

-Arpit Khare



Welcome!
Are you excited for a
fun learning session?



@Codekaro

What is the need to learn Coding?



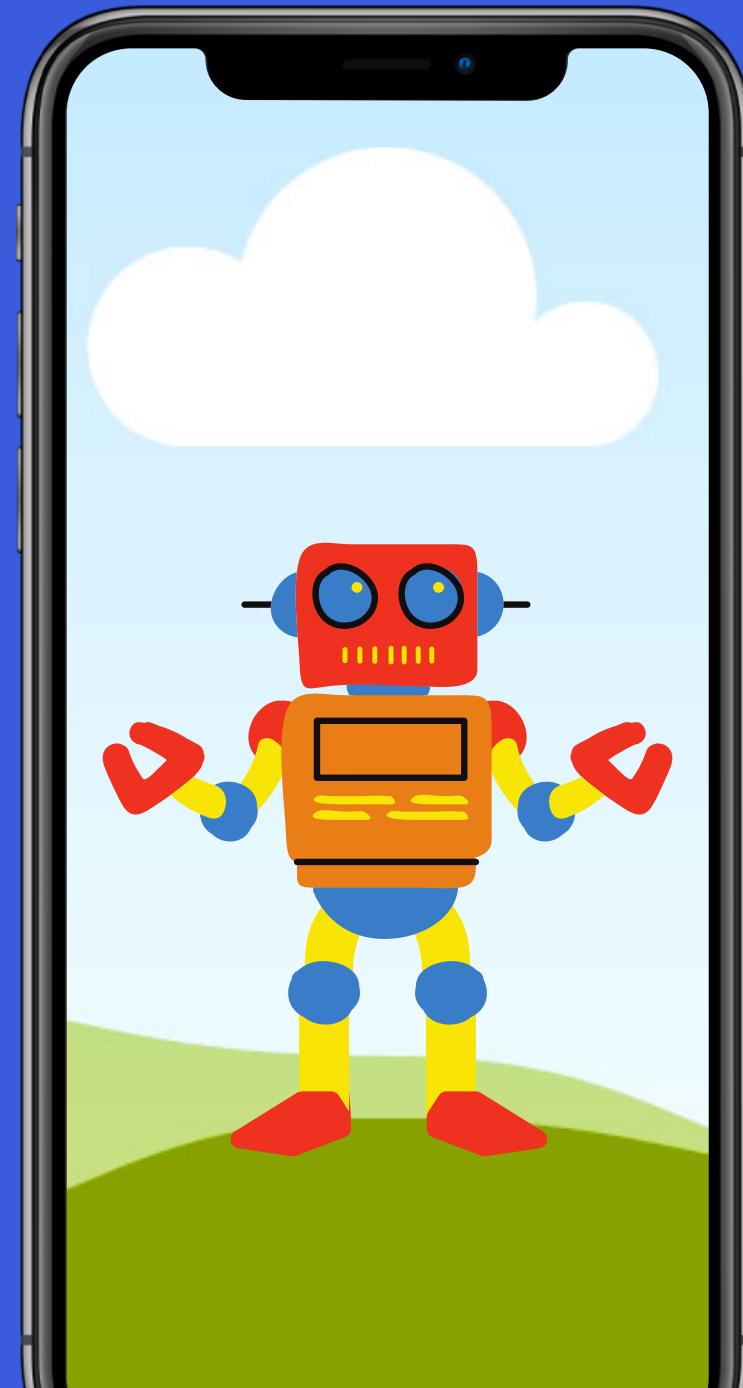
@Codekaro

Coding integration with other fields





Maths + Coding = Machine Learning



Machine Learning Applications

- > Real-estate price prediction
- > Box Office Revenue Prediction
- > Google search optimisation
- > Youtube, Insta, Fb, ads
- >Friends and Pages Recommendation

MACHINE LEARNING



MACHINE LEARNING EVERYWHERE!

BRACE YOURSELVES



**THE DIFFICULT CONVERSATIONS
ARE COMING**

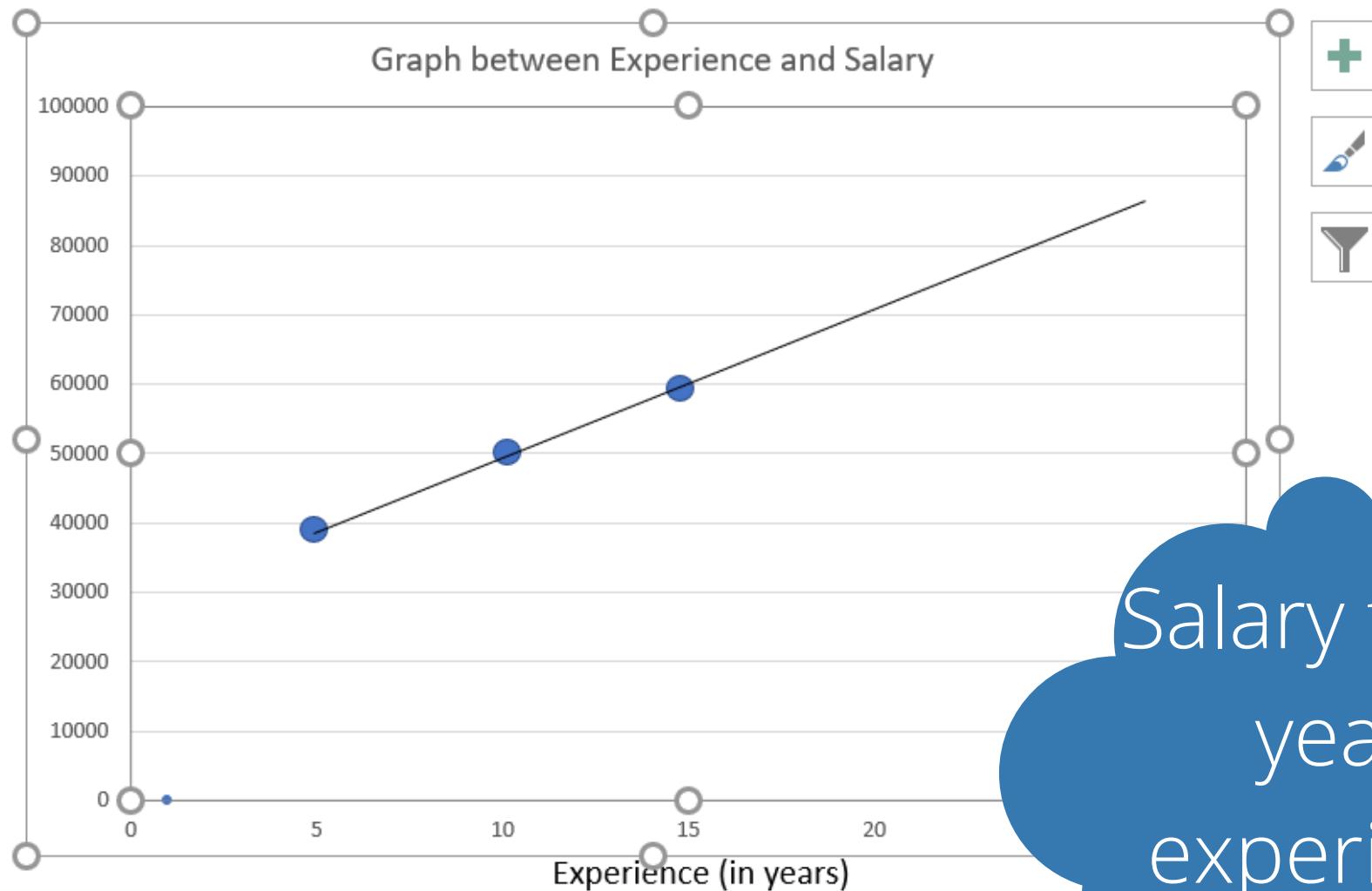
megenerator.net

Let us consider a data-set of 10,000 employees-



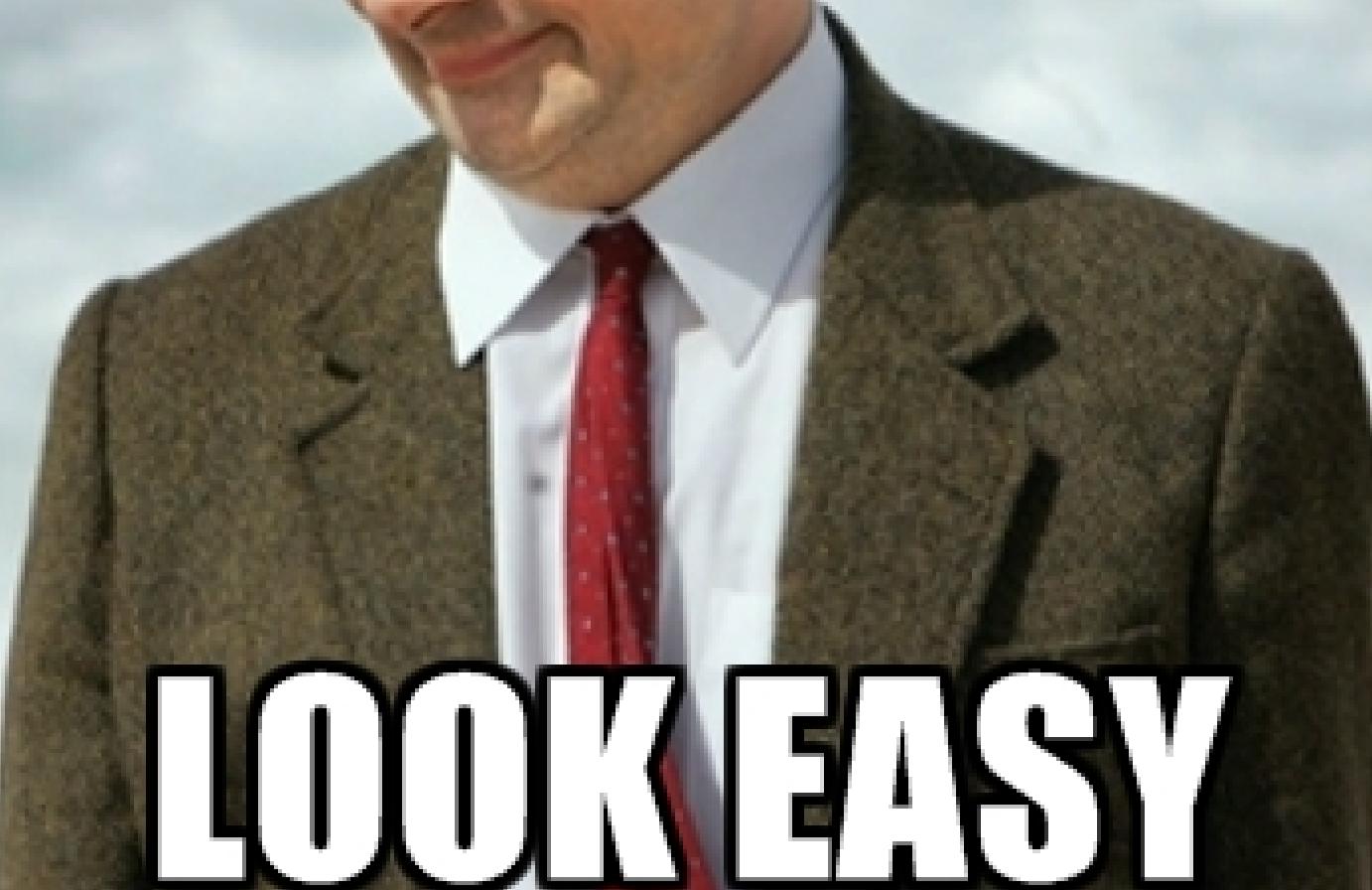






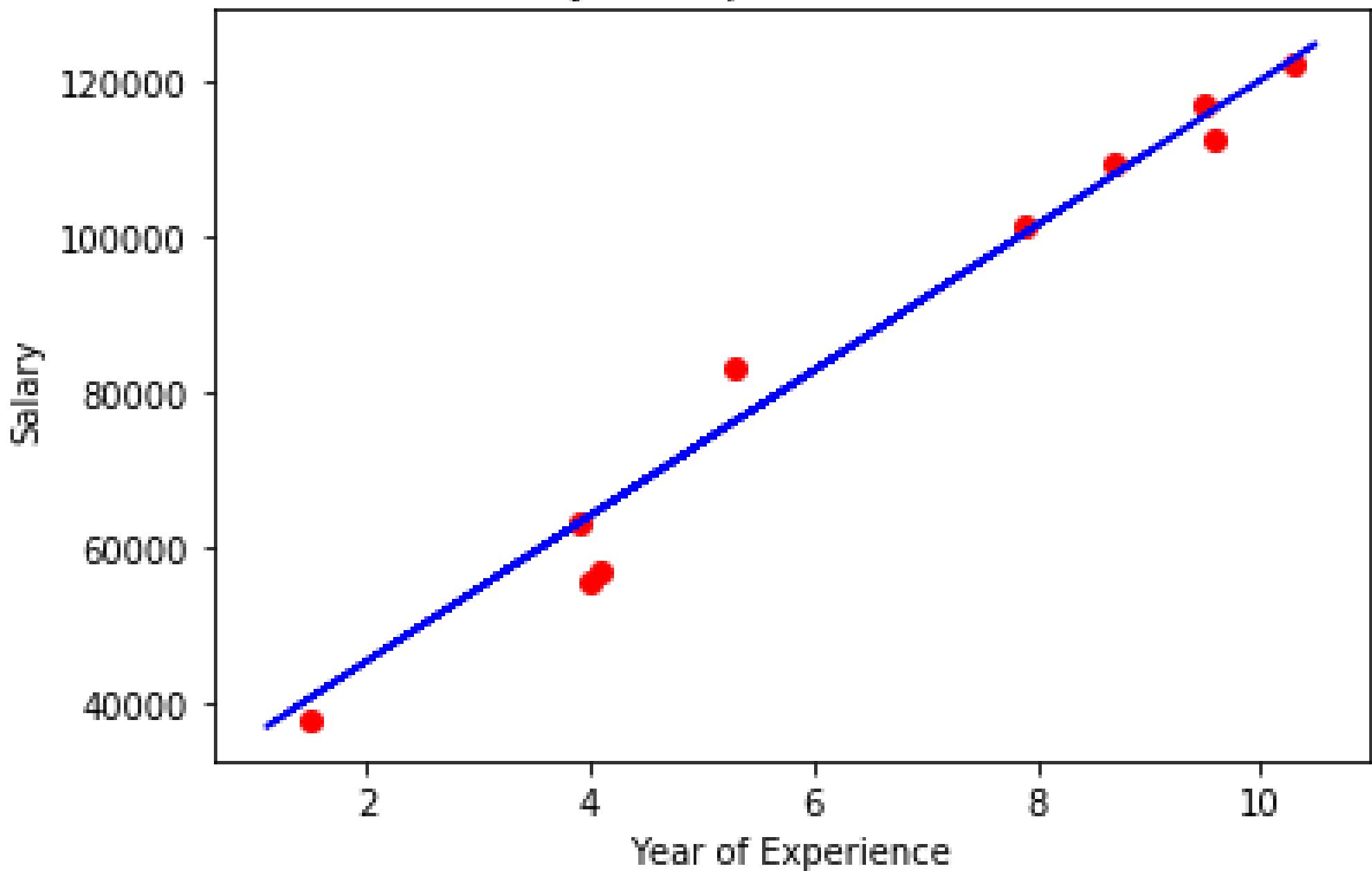
Salary for 20
years
experience

**MAYBE I JUST MAKE
IT**

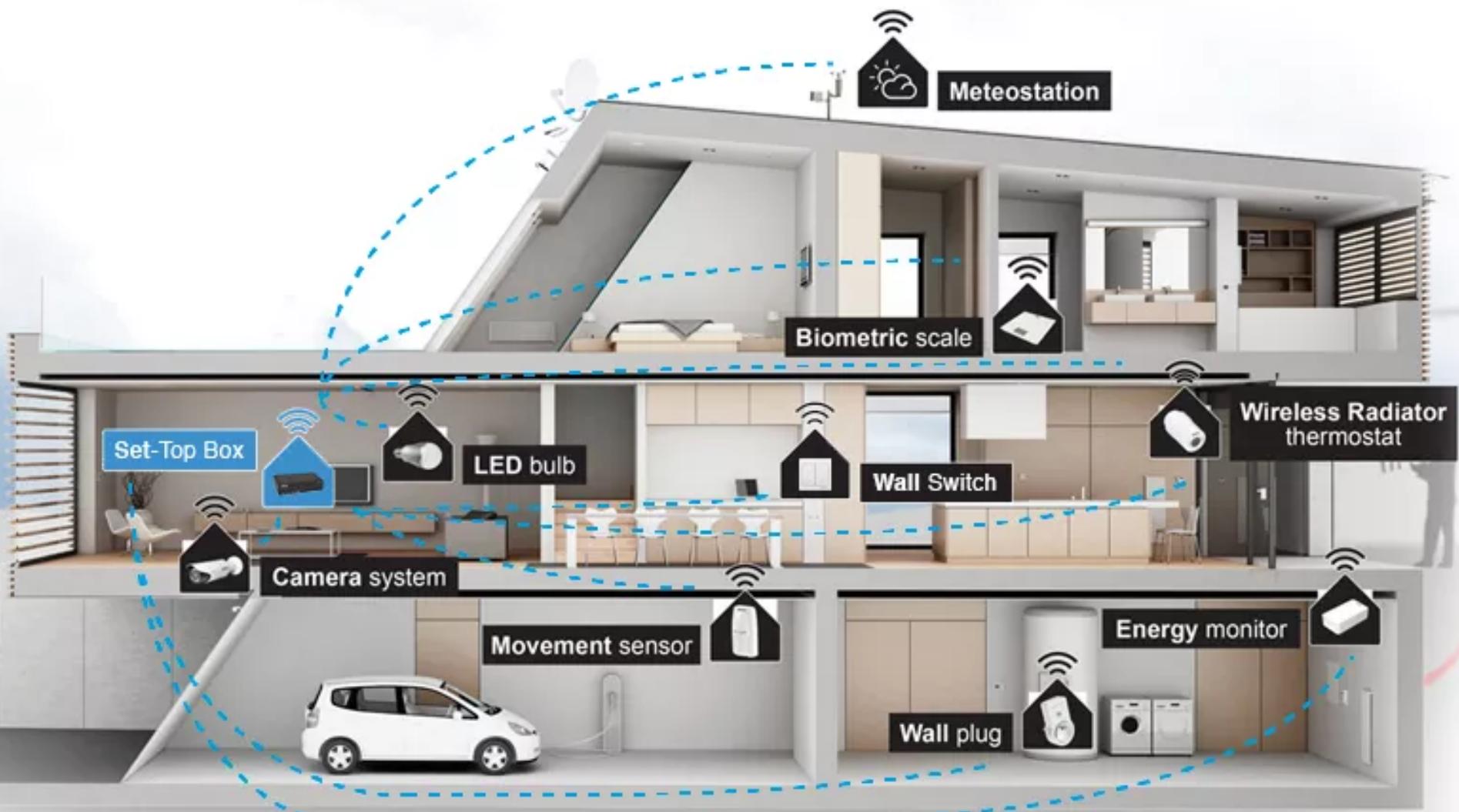


LOOK EASY

Salary VS Experience (Test set)



Physics + Coding = Internet Of Things (IoT)



A Simple IoT Example

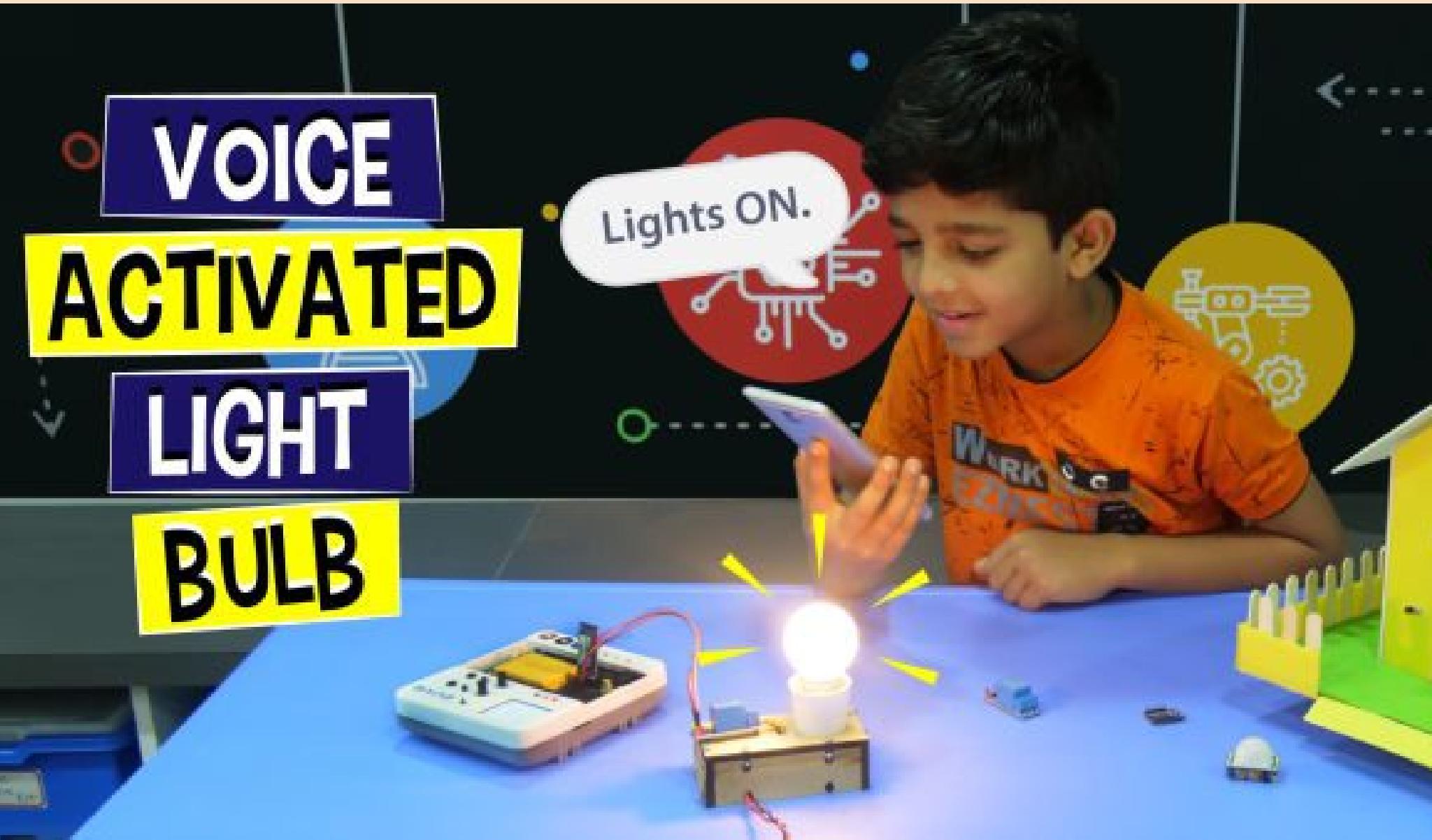
“Location-aware motion-detecting music player”



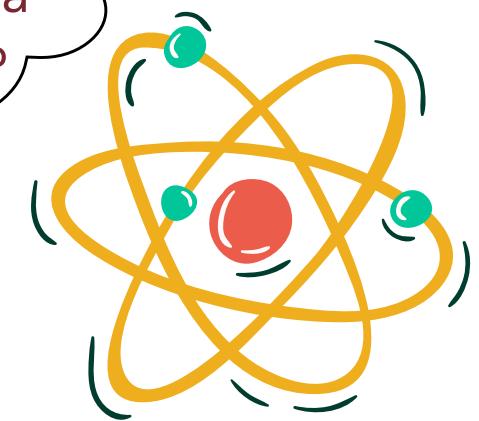
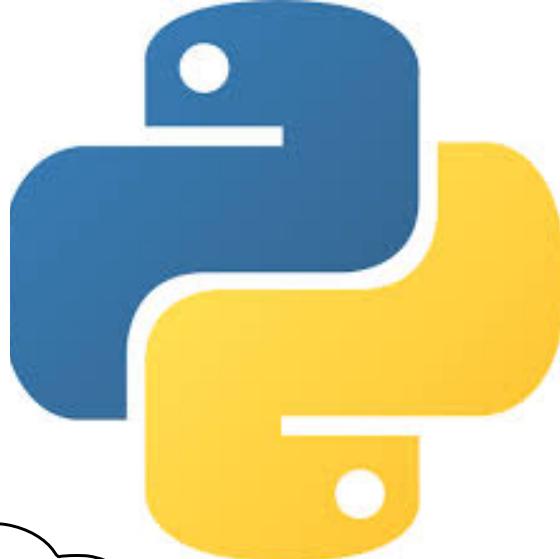
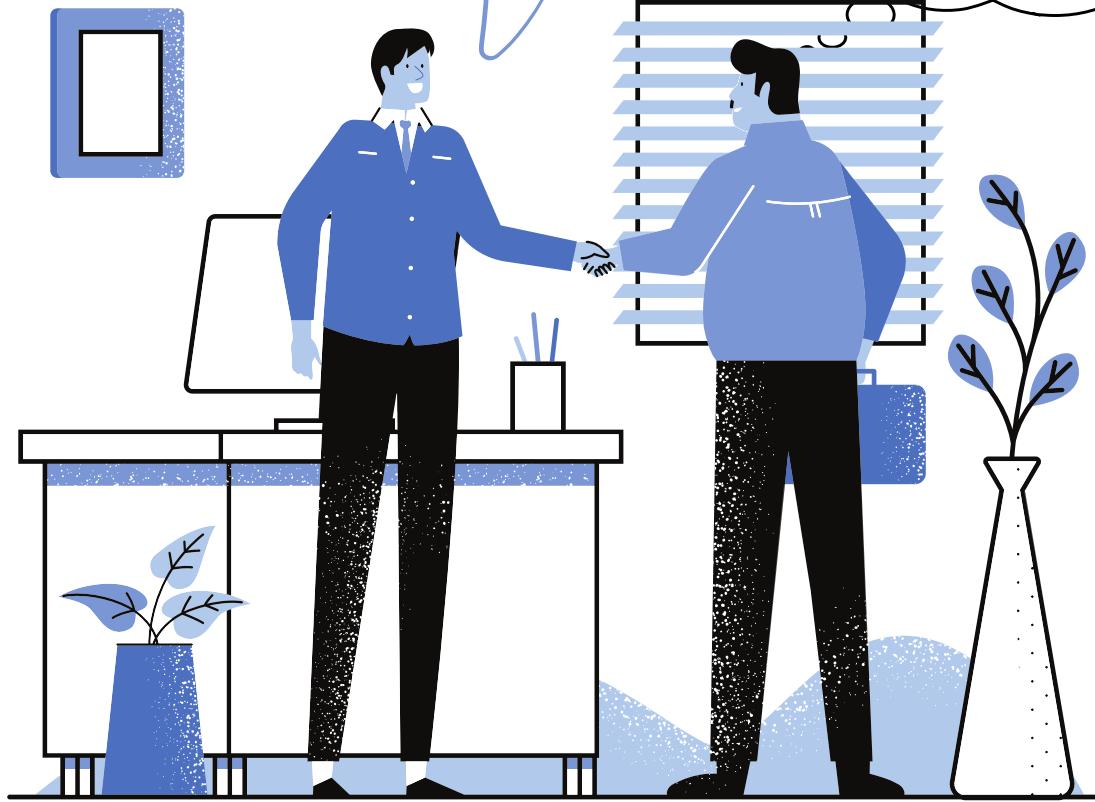
**motion
detector**

+ Arduino + GPS/GPRS shield + MP3 shield

Another simple project



Please buy a
bicycle for our
company.



Imagine...

₹1000

₹3000



**Make sure you have
the following
ingredients before
we start:**

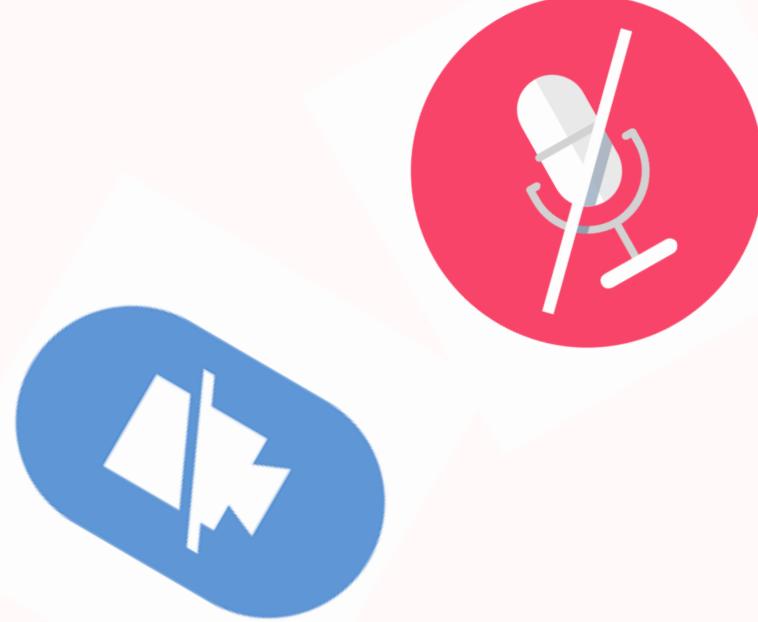
- A computer/ laptop
- Internet connection
- Python installed
- Jupyter notebook
installed



Class Rules *

and Objectives

- Turn off your camera and microphone.
- If facing some difficulty listening to the audio, reconnect your internet connection and meet.
- If having some query about some topic, then wait for me to complete the current topic, I'LL BE HAPPY TO REPEAT.



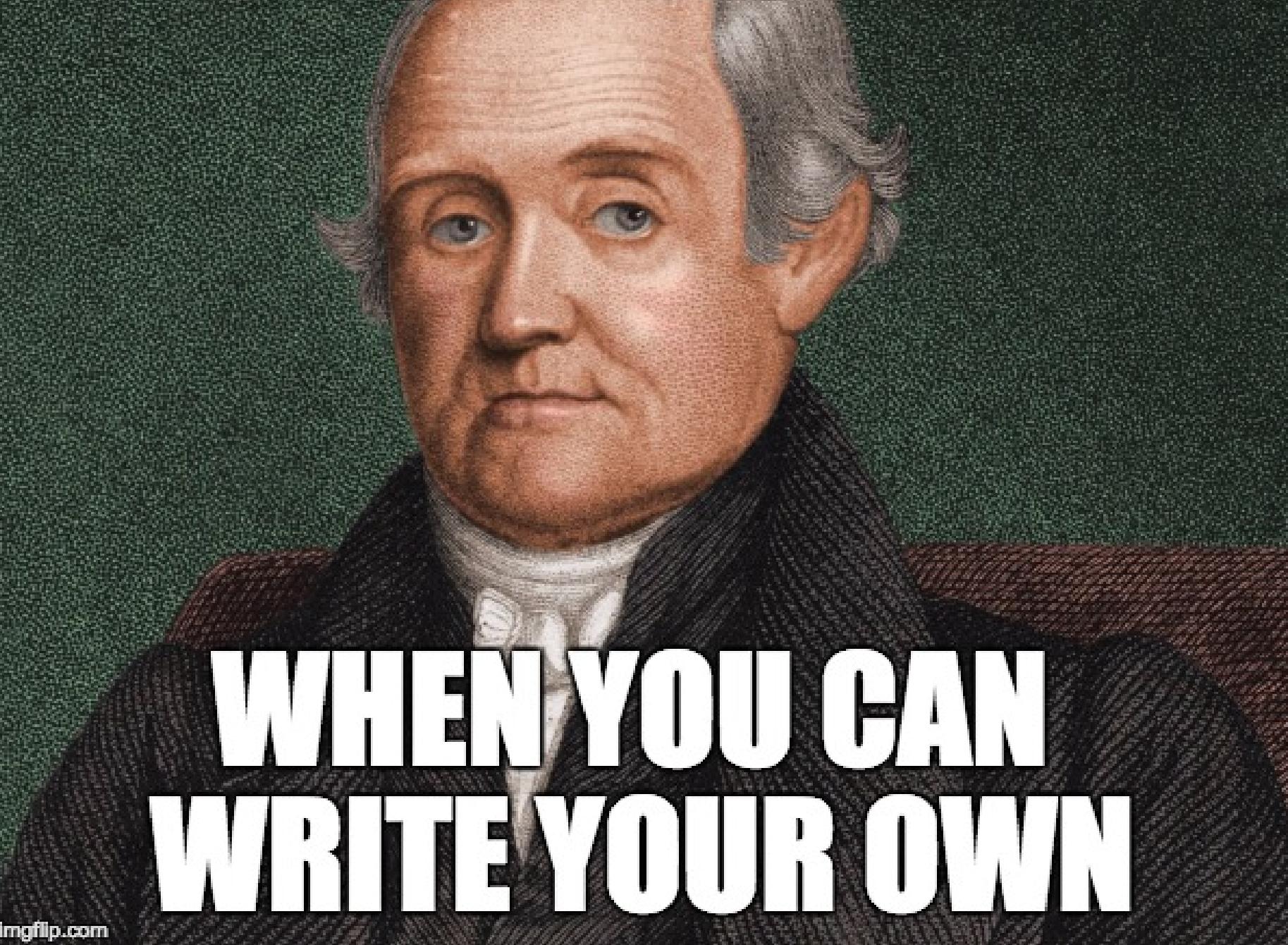
TODAY'S PYTHON LESSON



BUILDING YOUR OWN DICTIONARY



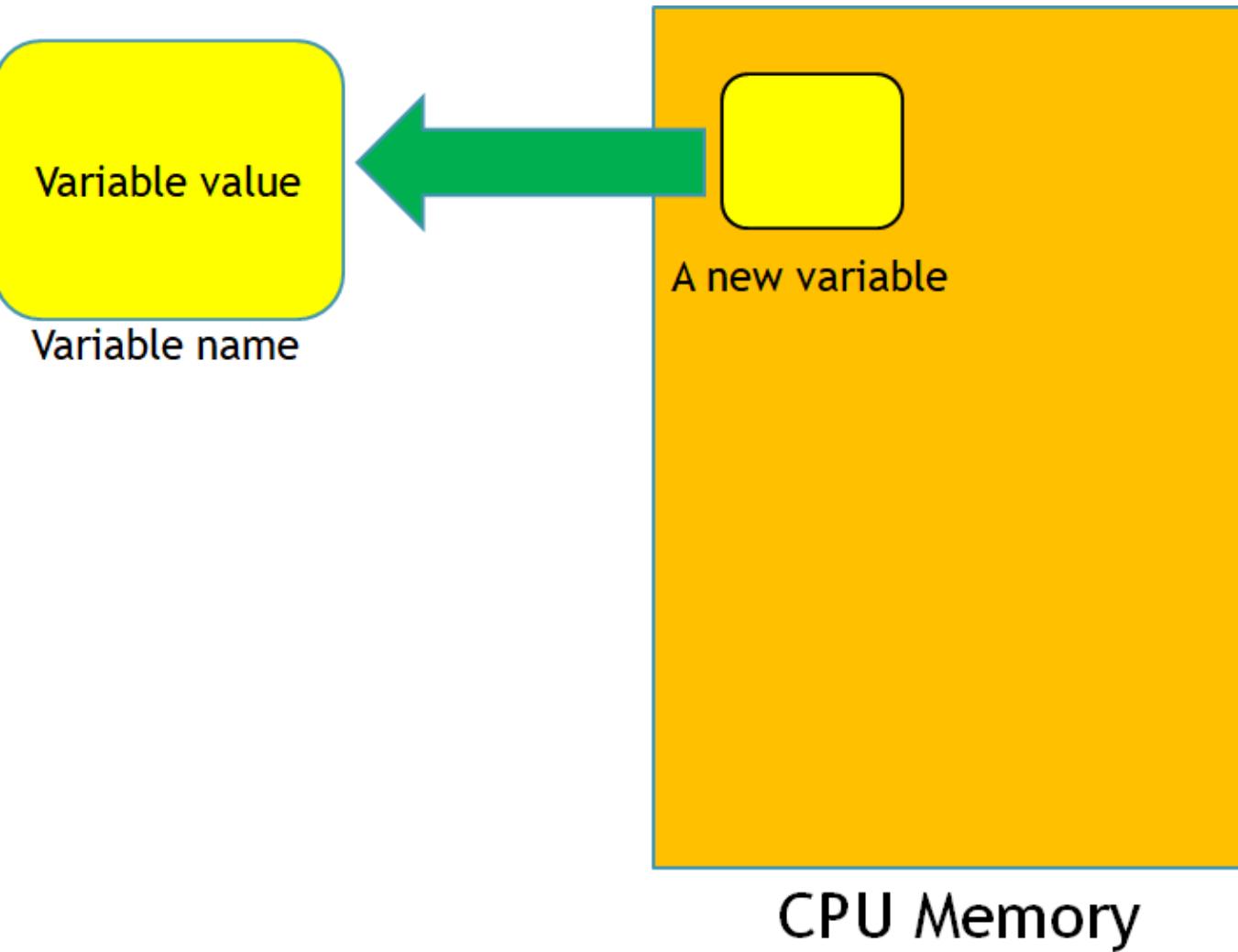
WHY USE A DICTIONARY



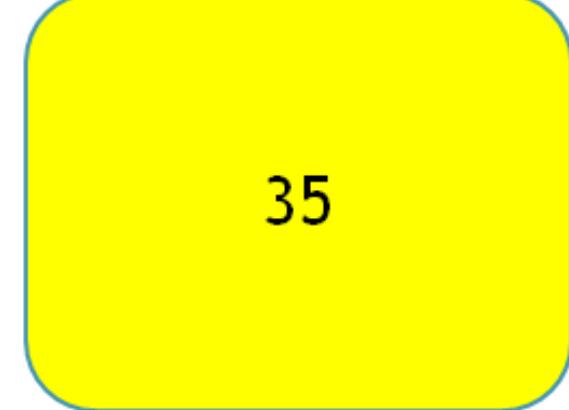
WHEN YOU CAN
WRITE YOUR OWN



What are Variables? *



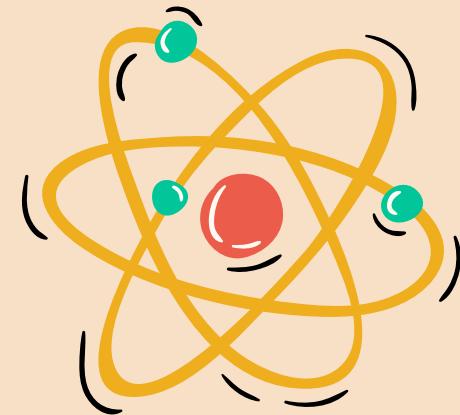
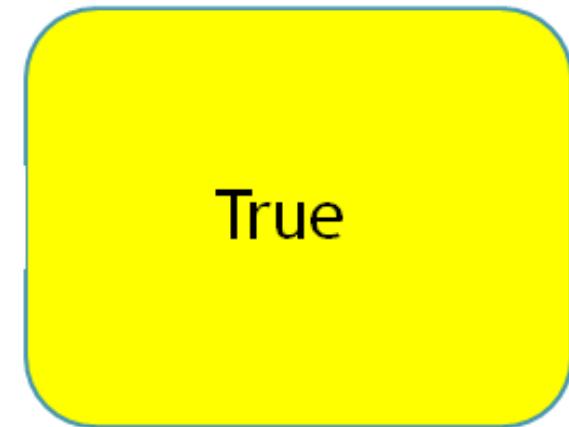
`var_1 = 35`



`var_2 = "Codekaro"`

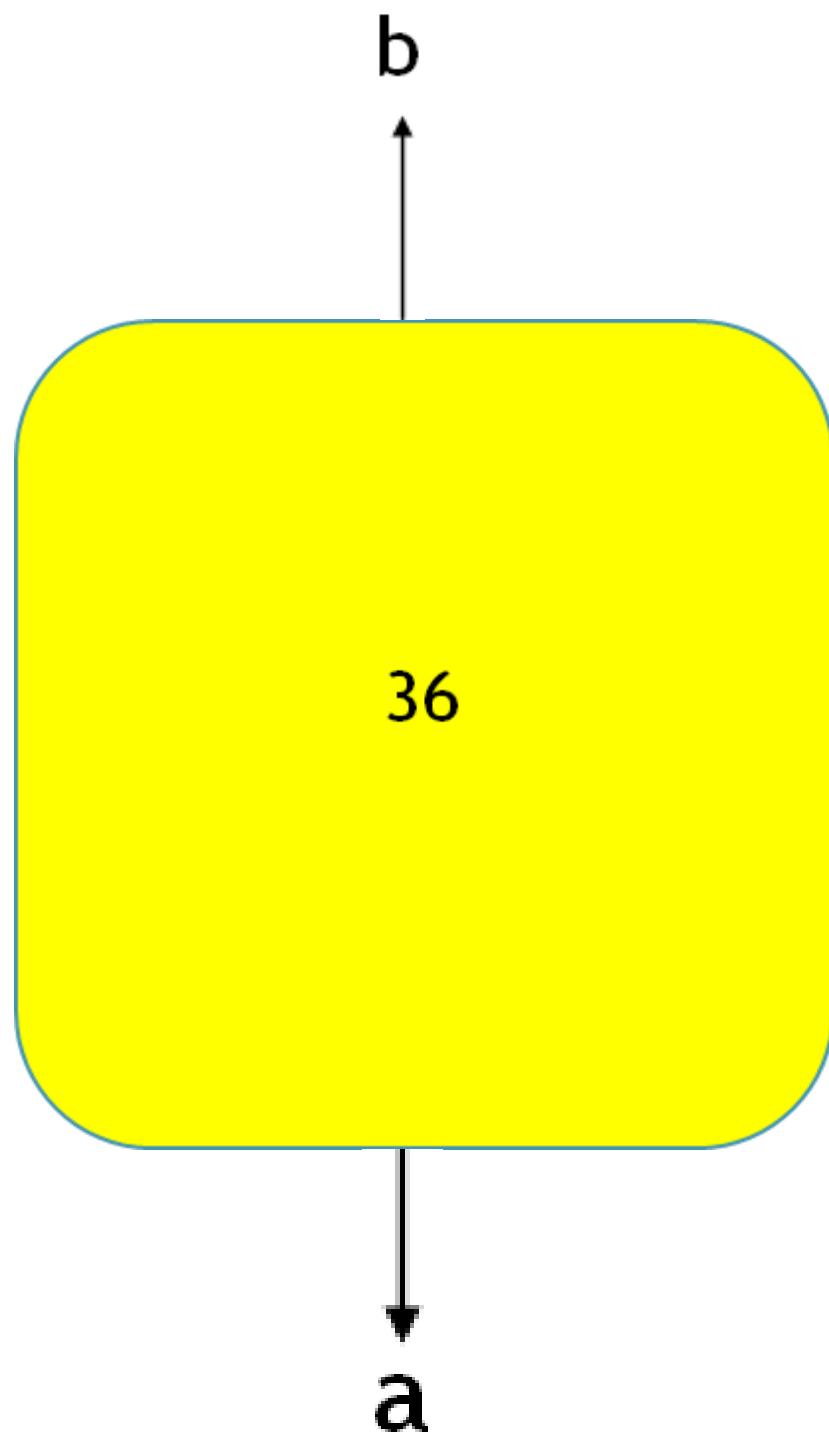


`var_3 = True`



$$a = 36$$

$$b = a$$





HEADING
TOWARDS
JUPYTER...

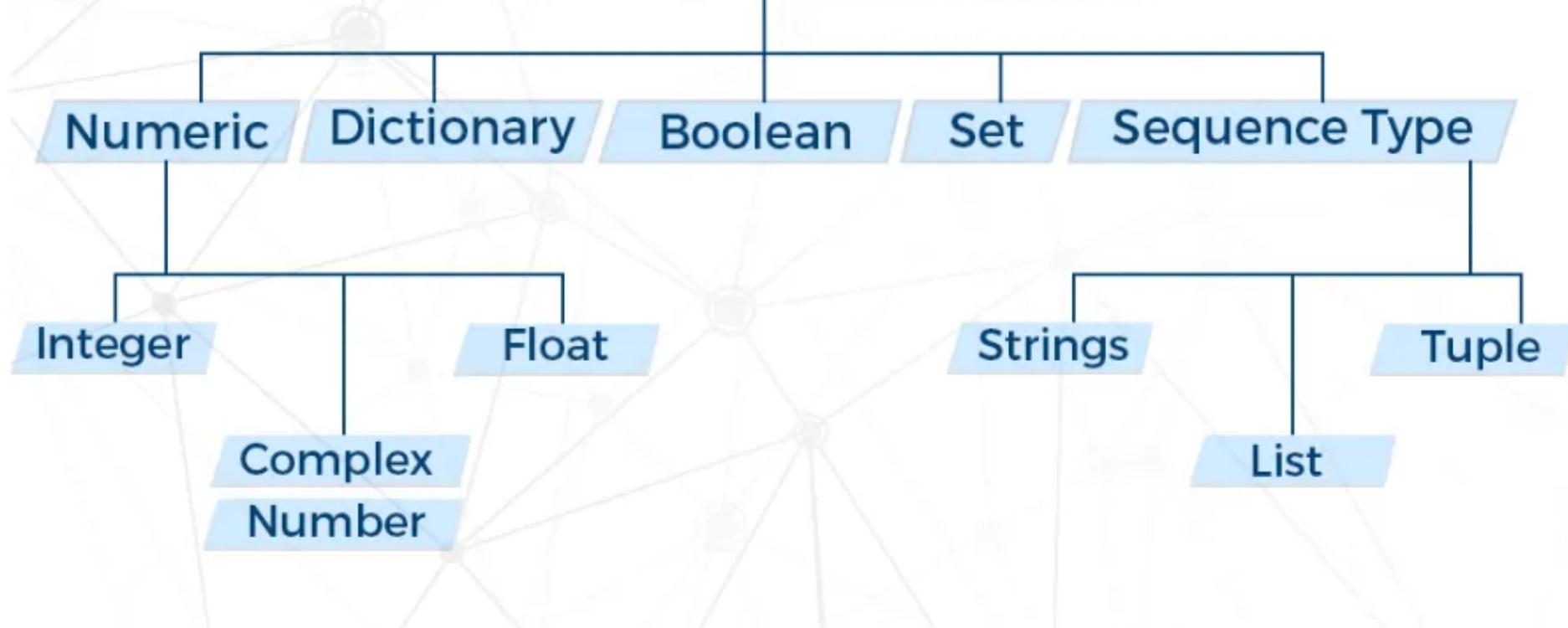


MOM! MOM!



I'VE JUST BUILT AN ALGEBRAIC
DATA-TYPE!

Python - Data Types





HEADING
TOWARDS
JUPYTER...



Activity Time

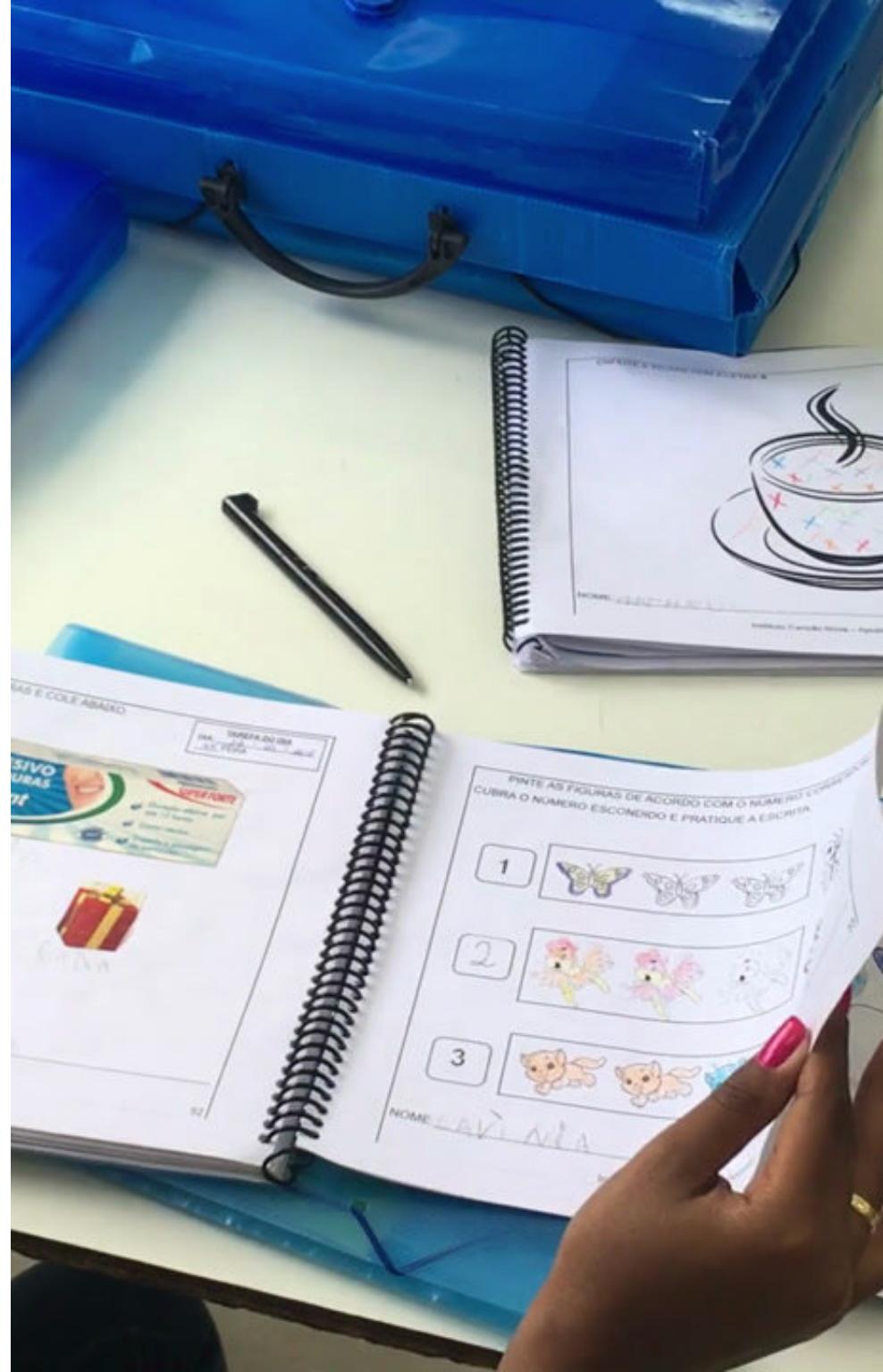
-Build your own
Dictionary with
20 words
starting with the
letter of your
name.



Supplemental Video



- The video session
is recorded.



Additional Resources



The presentation
and built projects
will be available
soon...



Ask your queries.



Solving each
other's queries will
lead to increase in
experience.

Summary of Class



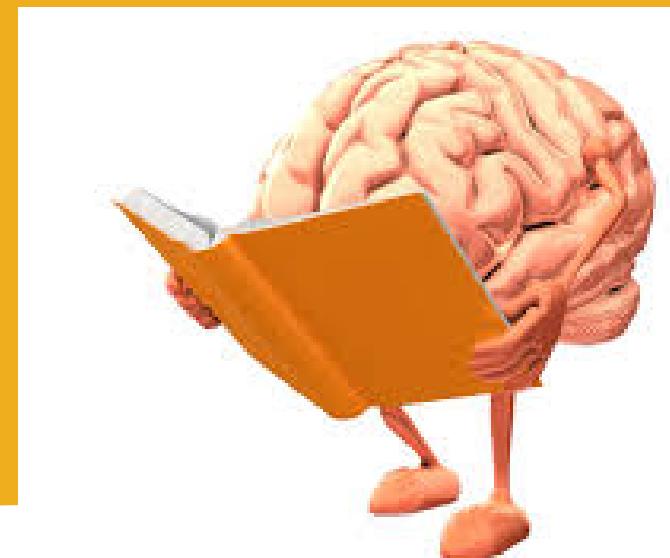
Variables

Duplication in
Variables

Data Types in
Python

Dictionary

Using your own
Dictionary



HOW TO USE MEMES



THE RIGHT WAY

Don't sweat the small stuff

There's a lot to go,
Keep coding...
Keep growing...

