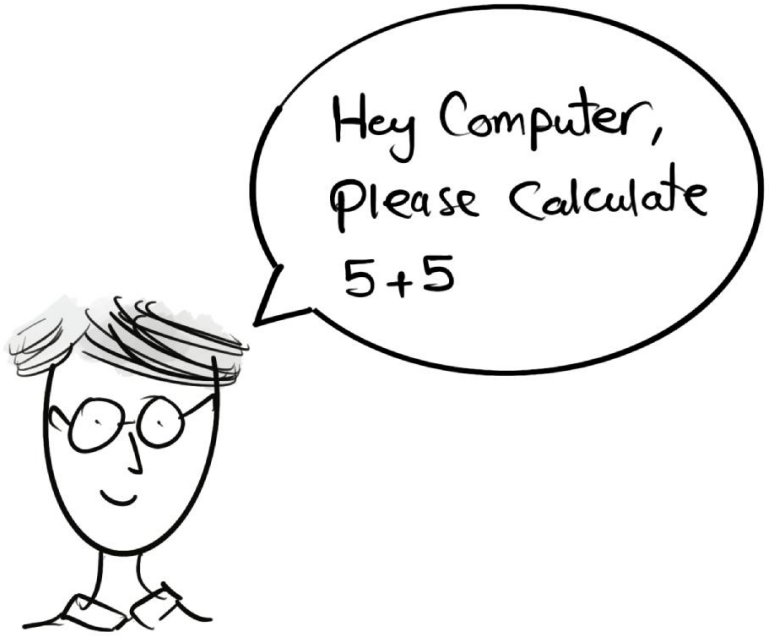
DATA WITH BARAA

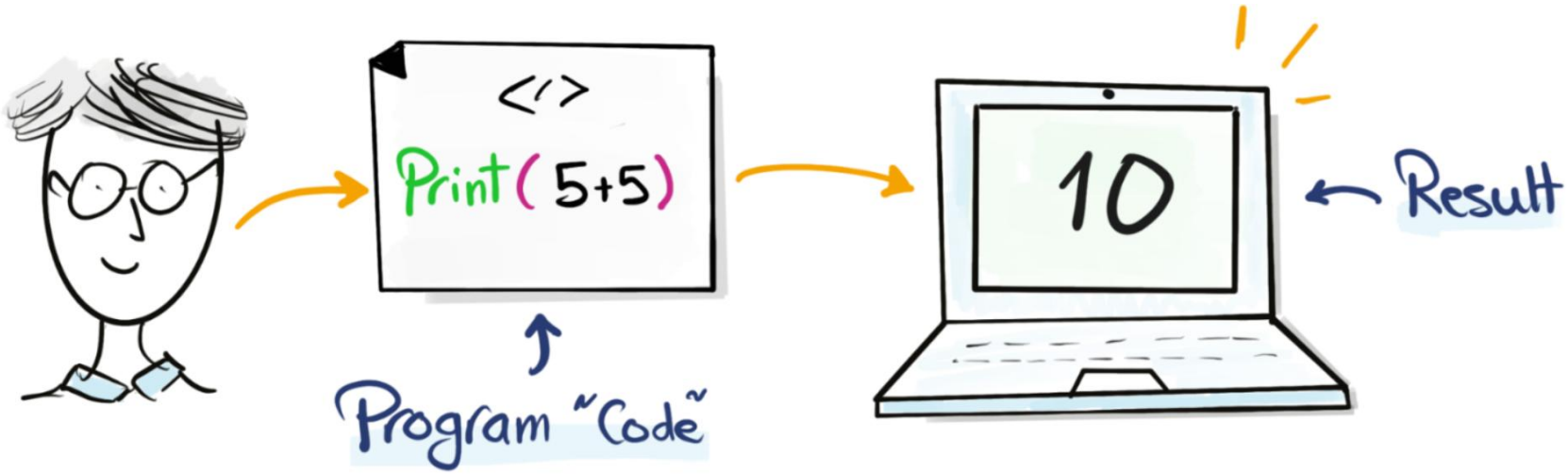
INTRO TO PYTHON

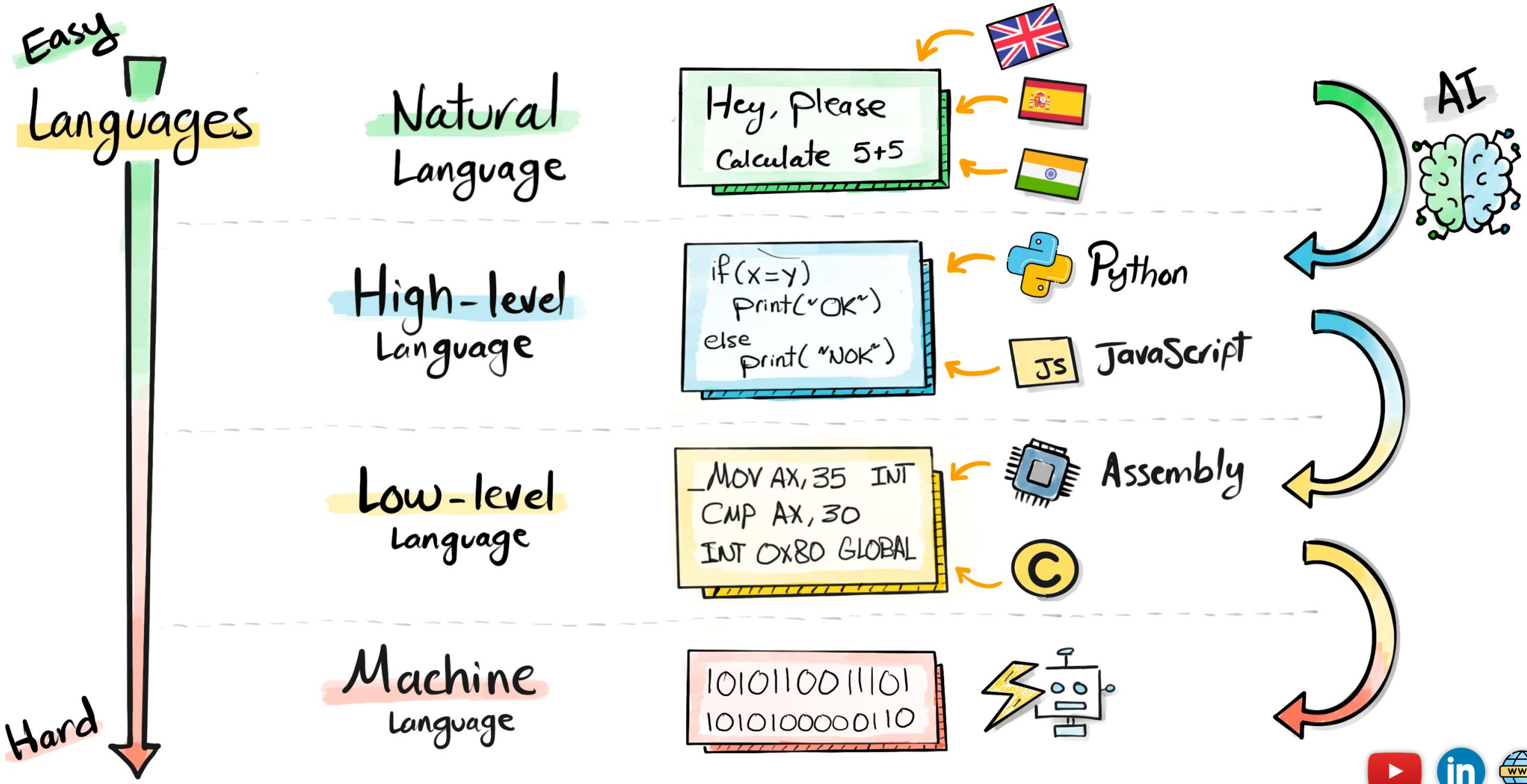
Baraa Khatib Salkini

YouTube | **DATA WITH BARAA**

Python Course | Intro to Python


Hey Computer,
Please Calculate
5+5

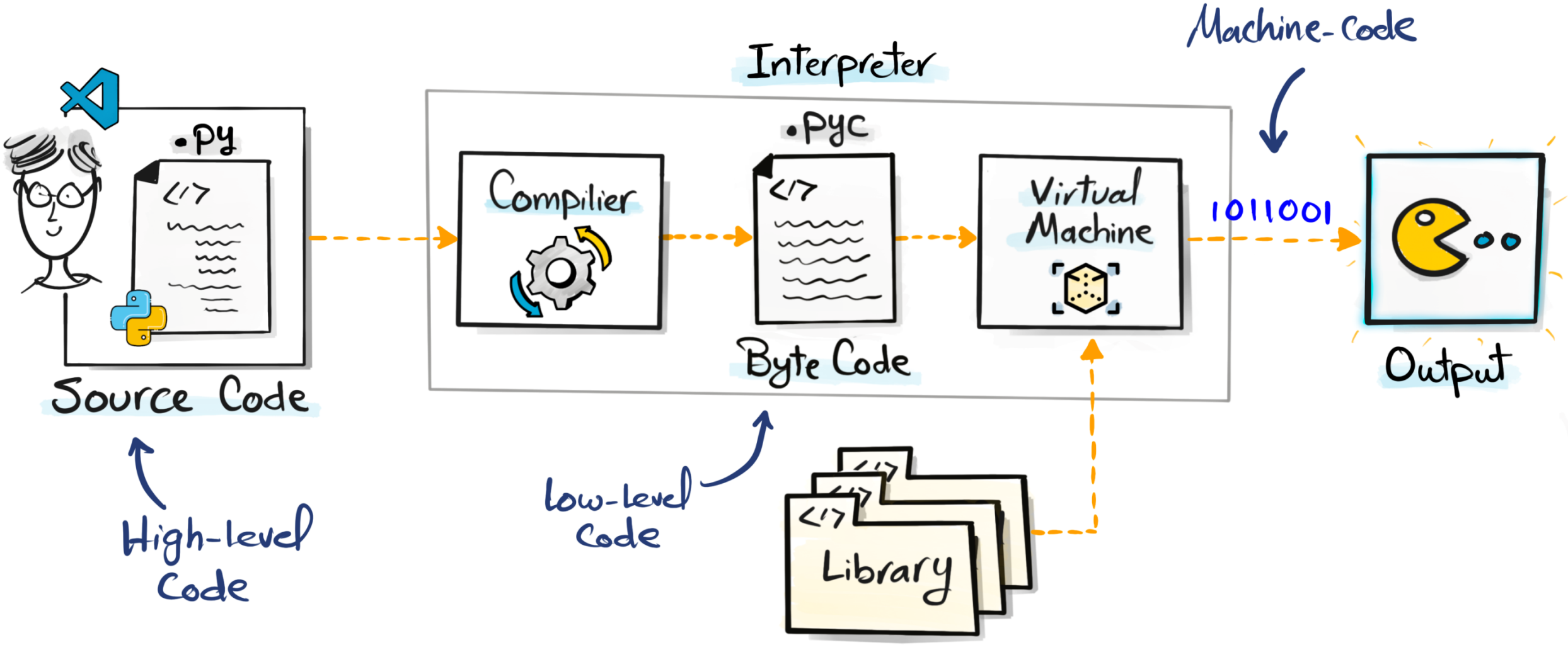

<//>
Print(5+5)
Program "Code"
10
Result

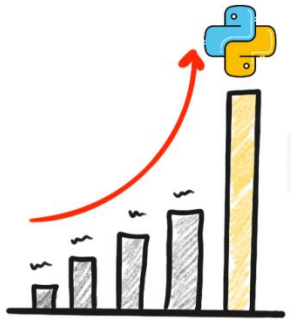


DATA WITH BARAA

DATA WITH BARAA

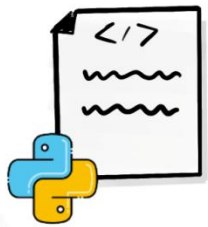
How Python Works ?





High in Demand

Powerfull & Simple



Others

WHY

AI

Python

Everything & Everywhere

Automation

Web

Gaming

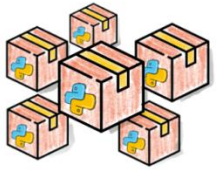
Data Science

Huge Community

Tutorials

Blogs

Libraries



Projects

Data with Baraa

Python Roadmap

START

1 Beginner

- Variables
- Data Types
- Flow Control
- Functions

2 Intermediate

- Exceptions
- OOP
- Modules
- Files

3 Advanced

- API
- Testing
- Web Scraping

Pick Your Path

4.1 Data Engineering

- Pyspark
- ETL
- Automation

4.2 Data Science

- Pandas
- Numpy
- Plotly

4.3 AI & Machine Learning

- PyTorch
- Transformers
- TensorFlow

4.4 Web Dev.

- Flask
- django
- requests

DATA WITH BARAA

Comments

Baraa Khatib Salkini
YouTube | **DATA WITH BARAA**
Python Course | Comments

Comments

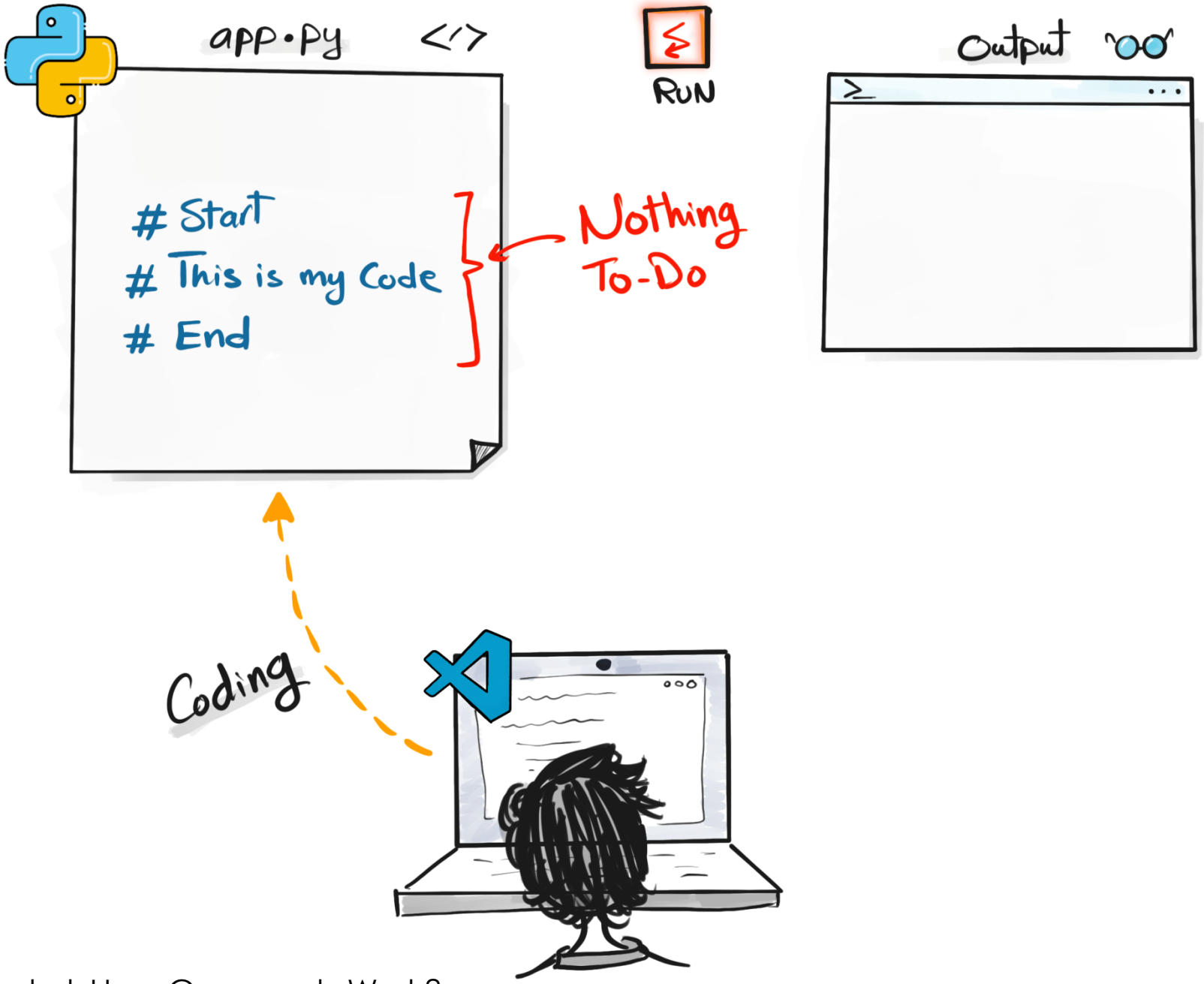
- Comments are notes in code
- Python skips comments
- Comments make code:
  Understandable, readable, professional

Why Comments are Powerful?

Understandable

Readable

Professional


app.py
</>
RUN
Output
Start
This is my Code
End
Nothing To-Do
Coding

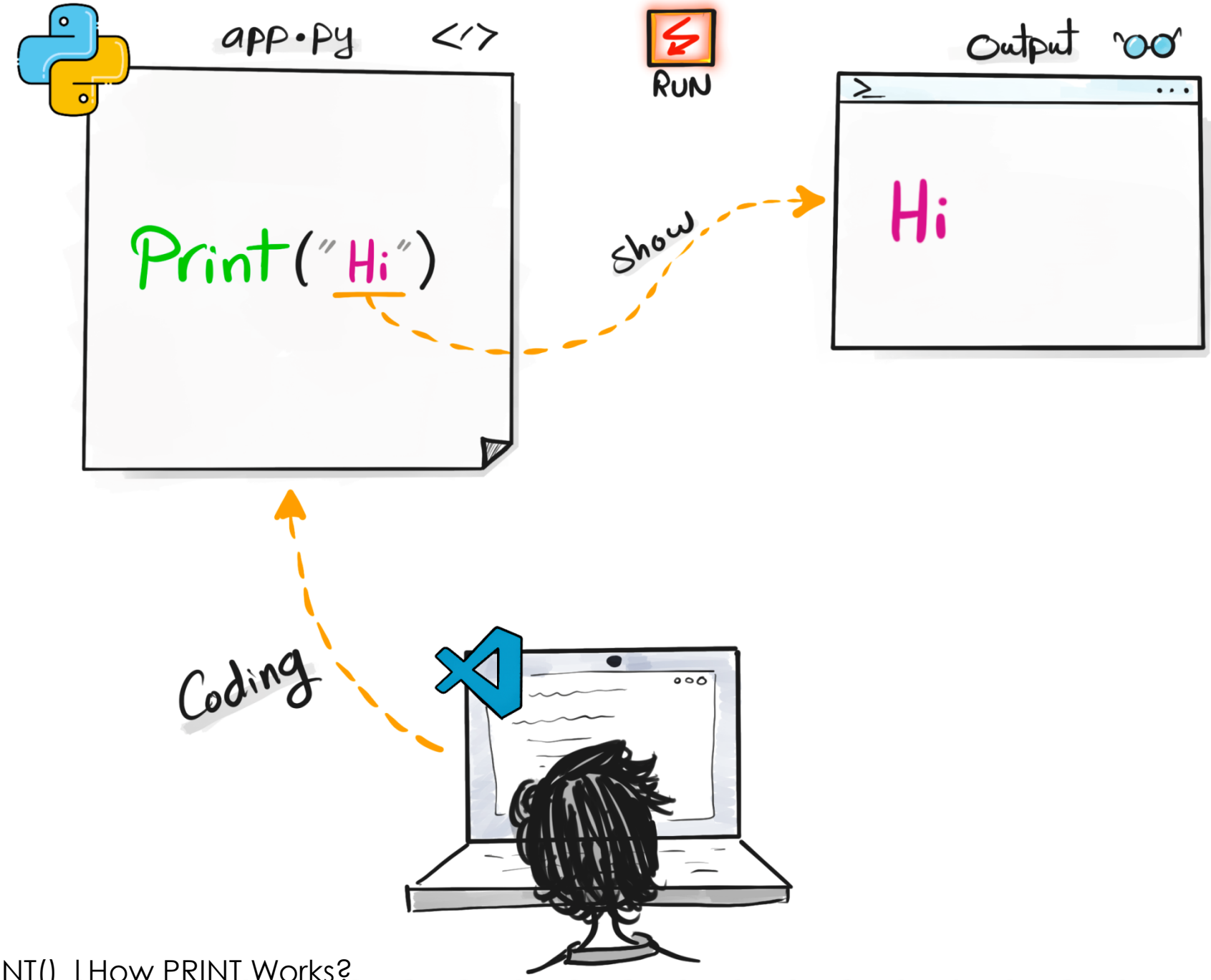
DATA WITH BARAA

PRINT()

Baraa Khatib Salkini
YouTube | **DATA WITH BARAA**
Python Course | PRINT

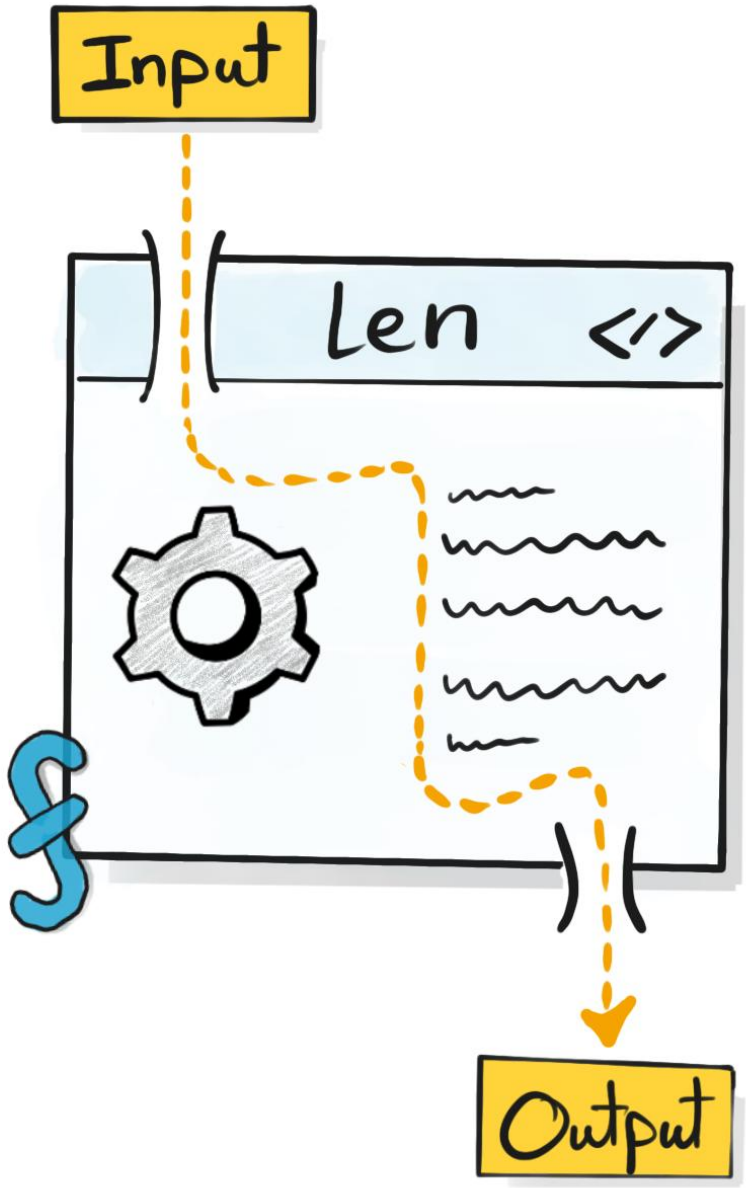
PRINT()

- Built-in Python Function
- Display message in output for users
- Use Cases:
  - Communicate, Show Results
  - Debugg, Test



DATA WITH BARAA

Functions



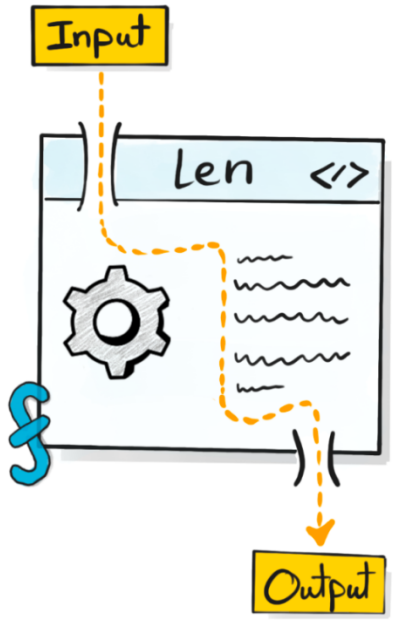
DATA WITH BARAA

Functions

- Third-Party Libraries
  - Pandas
  - NumPy
  - PySpark

- User Defined

- Python Built-in
  - PRINT()
  - INPUT()
  - LEN()



Special Characters

\" \' \\

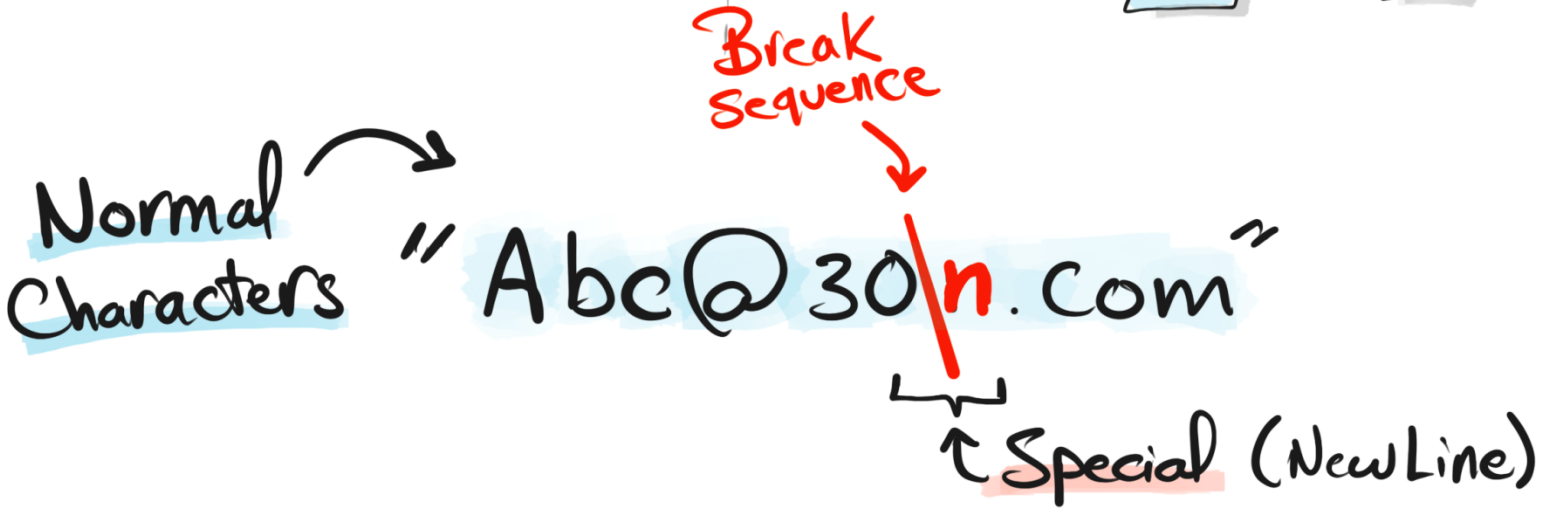
\n \t

Normal Characters

A B Z

5 9 0

@ ?



DATA WITH BARAA

Escape Sequences

`\"`	Double Quote
`\'`	Single Quote
`\\`	Backslash
`\n`	New Line
`\t`	Tab
`\b`	Backspace