WHYLEARN TO CODE

- Solve a problem once and then automate it
- Reduce repetitive work
- Understand if the code provided by AI is correct
- Connect with Cloud infrastructure like AWS / GCP and automate code execution
- Connect with many services like Gmail, Slack, Youtube and automate the data manipulation using their API



BigCode - Editor - a Hugging Face Space by bigcode

Discover amazing ML apps made by the community

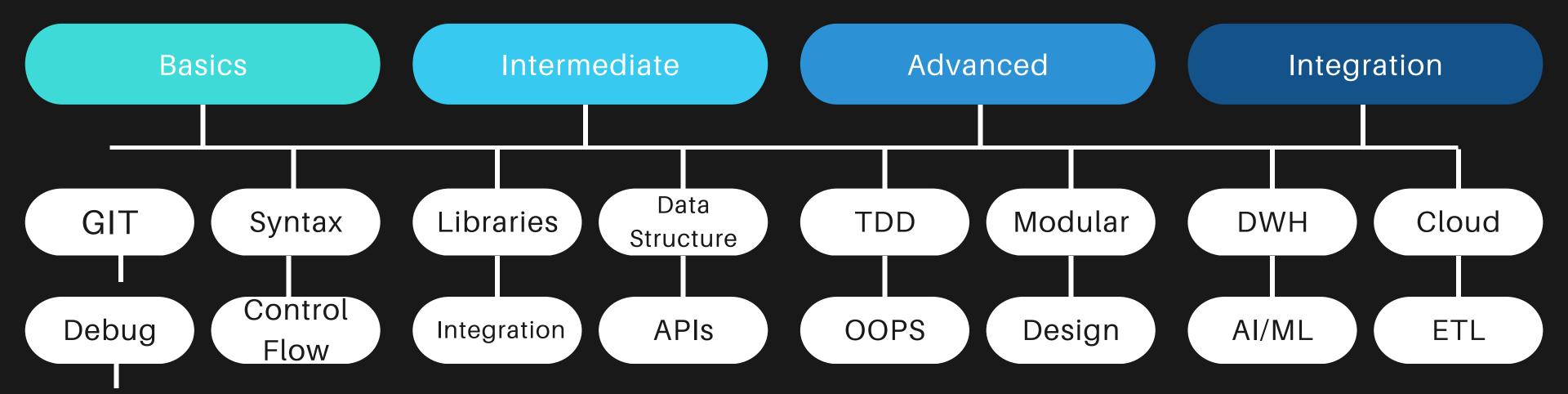


HOW TO LEARN

- Master Syntax by typing and executing code program
- Master problem solving with code
- Learn to test your code automatically
- Start solving real world problem

YOUR CHALLENGES

Learning to Program



Eights of Python

PYTHON: A DATE

- 1. Python on Win n Lin
- 2. Setting up Git
- 3. First Program
- 4. Control Freak
- 5. Loopy Python
- 6. Functions + Objects
- 7. Files I/O
- 8. Test Driven Development

SQL & PYTHON

- 1. SQL with DBeaver
- 2. Data Modeling Tables
- 3. SparkSQL and PGSQL
- 4. SQL Data Analysis
- 5. CTEs Vs Subquery Vs CTAS
- 6. Modeling Unknowns
- 7. SQL Window Functions
- 8. Data marts Hands on

LIBRARIES

- 1. Pandas Dataframes
- 2. Psycopg2 Database
- 3. SQLAlchemy ORM
- 4. DBT for Schema Validation
- 5. FastAPI
- 6. Streamlit
- 7. AWS Wrangler
- 8. PySpark

LINUX:

- 1. SSH into a Linux Machine
- 2. Using AWK / Cut
- 3. Using SED
- 4. Using Grep
- 5. Configuring SpaceVim
- 6. Using Vim
- 7. Using Tmux
- 8. Shell Scripting A primer

Python is actively supported by many developers from different domains

LETS PRACTICE

THANKS FOR WATCHING

prgm1.py

print("This won't run.")

```
prgm3.py
```

```
print("I will now count my chickens:")
print("Hello World!")
                                                                         print("Hens", 25 + 30 / 6)
print("Hello Again")
                                                                         print("Roosters", 100 - 25 * 3 % 4)
print("I like typing this.")
print("This is fun.")
                                                                         print("Now I will count the eggs:")
print('Yay! Printing.')
                                                                         print(3 + 2 + 1 - 5 + 4 % 2 - 1 / 4 + 6)
print("I'd much rather you 'not'.")
                                                                         print("Is it true that 3 + 2 < 5 - 7?")
print('I "said" do not touch this.')
                                                                         print(3 + 2 < 5 - 7)
  prgm2.py
                                                                         print("What is 3 + 2?", 3 + 2)
# A comment, this is so you can read your program later.
                                                                         print("What is 5 - 7?", 5 - 7)
# Anything after the # is ignored by python.
                                                                         print("Oh, that's why it's False.")
print("I could have code like this.") # and the comment after is
                                                                         print("How about some more.")
                                                                         print("Is it greater?", 5 > -2)
ignored
                                                                         print("Is it greater or equal?", 5 >= -2)
# You can also use a comment to "disable" or comment out code:
                                                                         print("Is it less or equal?", 5 <= -2)
```