

# Python for Non-Programmer Teachers

Teacher Training Guide · Module 10 of 15 · CHERIEDU Academy

## 1. You Do Not Need to Be a Programmer

This module gives you just enough Python knowledge to guide students through basic AI exercises. You will learn by running real code — not by memorising syntax.

## 2. Setting Up Google Colab (5 minutes)

1. Open your browser. Go to [colab.research.google.com](https://colab.research.google.com)
2. Sign in with your Google account.
3. Click "New Notebook".
4. Click the "+" button to add a code cell.
5. Type: `print("Hello from AI class!")` and press Shift + Enter to run.

## 3. The 10 Python Lines Every Teacher Should Know

```
print("Hello")           # shows text
x = 10                   # stores a number
name = "Ravi"           # stores text
numbers = [1,2,3,4,5]   # a list of numbers
print(sum(numbers))     # prints 15
for n in numbers:
    print(n)             # prints each number
import pandas as pd     # load the pandas tool
df = pd.read_csv("data.csv") # read a file
print(df.head())        # show first 5 rows
```

## 4. What To Do When Students Get Errors

- Read the error message — Python tells you exactly what went wrong.
- Check for typos: Python is case-sensitive. "Print" vs "print".
- Check indentation: Spaces matter in Python. Use 4 spaces consistently.
- Google the error message — the answer is almost always on Stack Overflow.
- Ask a student — often they will know the fix before you do!

## 5. Teacher Tip

### TIP

"I don't know, let's debug this together" is one of the most powerful sentences a teacher can say. It shows students that problem-solving is a skill, not a talent.

