



KIDS & TEENS FREELANCING TRAINING INSTITUTE

Python Programming Course Outline

Module 1: What is Python?

- What does Python do in real life? (games, apps, robots, websites)
- Why it's great for beginners
- Setting up a kid-friendly environment (Replit, Thonny, or Trinket)
- Writing your first Python program: `print('Hello, World!')`

Module 2: Variables & Data Types

- What are variables?
- Storing words (`str`), numbers (`int`, `float`), and `True/False` (`bool`)
- Fun activity: create your own superhero profile using variables

Module 3: Input & Output

- Getting input from users with `input()`
- Showing results with `print()`
- Mini project: Make-your-own-mad-libs or a name echo game

Module 4: Decision Making with If/Else

- Writing smart code that makes decisions
- `if`, `elif`, `else` in real life (games, quizzes, puzzles)
- Build a personality quiz or number guess game

Module 5: Loops – Repeat It!

- `for` loops and `while` loops explained simply
- Repeating actions, counting, or checking guesses
- Fun projects: countdown timer, multiplication table, repeat challenge

Module 6: Functions – Reuse Your Code

- What is a function and why use it?

- Writing your own simple functions
- Calling functions to organize your program
- Build a mini calculator or birthday wish generator

Module 7: Lists (Arrays) and Storage

- Storing multiple items using lists
- Accessing items, adding, sorting
- Mini project: favorite foods list, score tracker, or name sorter

Module 8: Final Project – Show What You Know!

- Choose from:
 - Text-based game (Adventure or Quiz)
 - Custom calculator
 - Mini chatbot
 - Add user input, loops, logic, and more!
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Bonus Materials:

- Python syntax cheat sheet
- Challenge cards & mini puzzles
- Debugging tips for beginners
- Certificate of Completion