



KIDS & TEENS FREELANCING TRAINING

Web Scraping Course Outline

MODULE 1: What is Web Scraping?

- Simple explanation: What is data? Where does it live on websites?
 - Real-life examples (e.g., scraping toy prices, weather data, or Pokémon names)
 - Rules & ethics of scraping — what's allowed and what's not
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MODULE 2: HTML Basics for Kids

- Learn the structure of web pages: tags, elements, IDs, and classes
 - Use the browser "Inspect" tool like a data detective
 - Spot the parts you want to scrape
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MODULE 3: Python Programming Basics

- Introduction to Python (installing, writing first code)
 - Learn variables, loops, print statements
 - Simple exercises (like printing favorite games or lists)
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MODULE 4: Scraping with Python (Using BeautifulSoup)

- Use requests and BeautifulSoup libraries to collect info
 - Step-by-step: scrape quotes, jokes, or weather
 - Practice project: Scrape 5 book titles from an online bookstore
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MODULE 5: Organizing & Saving Data

- Learn to store scraped data in lists, CSV files, or tables
 - How to open the data in Excel or Google Sheets
 - Build a mini database (e.g., Top 10 movies from a site)
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MODULE 6: Mini Project & Presentation

- Kids plan their own scraping project: e.g., game prices, fun facts, trending songs
 - Code, collect, and present their findings
 - Showcase their final project to family, class, or friends
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+92-308-5145-822

www.kidscourses.org

info@kidscourses.org