



BROWSEJOBS



PYTHON BASICS

MASTER PYTHON AND UPGRADE YOUR FUTURE FOREVER.



***DESIGNED AND CURATED BY EX GOOGLE EMPLOYEES IN UK. READY TO WORK SYLLABUS.**



1 Million
Learners



1:1 Personalized
Mentorship



55% Average
Salary Hike

PYTHON BASICS PROGRAMME

JOB ASSURED PROGRAMME

Hottest **Job of 21st Century**



MOST DESIRABLE JOBS IN
2024



CONSIDERED THE SKILL OF THE
FUTURE BY TOP UNIVERSITIES



ONE OF THE HIGHEST PAID
SKILLS IN THE WORLD



CONSTANT DEMAND IN THE
MARKET



PYTHON IS THE MOST IN
DEMAND SKILL RIGHT NOW IN
THE TECH INDUSTRY.



THERE IS A CURRENT DEMAND
OF OVER 100000 PYTHON
JOBS.

Our **Credentials**



1 Million +

Aspiring Active Students



1,000+

Industry-expert Instructors



400+

Hiring Partners



500+

Corporates Upskilled



55%

Average Salary Hike



155+

Countries' Learners

Who Can **Apply for the Course?**

- ✓ Freshers and Undergraduates willing to pursue a career in Python
- ✓ Anyone looking for a career transition to data Python
- ✓ IT Professionals
- ✓ Experienced Professionals willing to learn Python
- ✓ Technical and Nontechnical Professionals with basic-level programming knowledge can also apply
- ✓ Project Managers

Application **Process**

The application process consists of three simple steps. Candidates have to submit their application. An offer of admission will be made to the selected candidates, and their application will be accepted upon the payment of the admission fee.

1

SUBMIT APPLICATION

Tell us a bit about yourself and why you want to join



2

ADMISSION TEST & APPLICATION REVIEW

Clear the admission test and have a personal interview with our interview panel



3

ADMISSION LETTER

Shortlisted candidates would be offered the admission letter



About Program

Welcome to our comprehensive Python course! Python is a versatile and powerful programming language widely used in various domains, including web development, data analysis, machine learning, automation, and more.

This course is designed to provide you with a solid foundation in Python programming, covering both core and advanced concepts, and equipping you with the skills needed to excel in your chosen field.



Learning Format
Online Boot Camp



3 Months
Live Classes



Career Services
BrowseJobs



Python
Certification

Key Highlights

- ✓ 1 Months of Live Sessions by Industry Experts
- ✓ 200 Hrs of Self-paced Videos
- ✓ 24*7 Support
- ✓ Integrated with Browsejobs
- ✓ Flexible Schedule
- ✓ Soft Skills Essential Training
- ✓ Career Guidance
- ✓ One-on-One with Industry Mentors
- ✓ 50+ Industry Projects & Case Studies
- ✓ E-learning Videos from Browsejobs
- ✓ Lifetime Free Upgrade
- ✓ Dedicated Learning Management Team

Program Pedagogy



Instructor-led Training
Get trained by top industry experts



Dedicated Learning Management Team
To help you with your learning needs



Self-paced videos
Learn at your own pace with world-class content



Projects and Exercises
Get real-world experience of projects



Hackathons
Get a sense of how real projects are built



Peer Networking and Group Learning
Improve your professional network and learn from peers



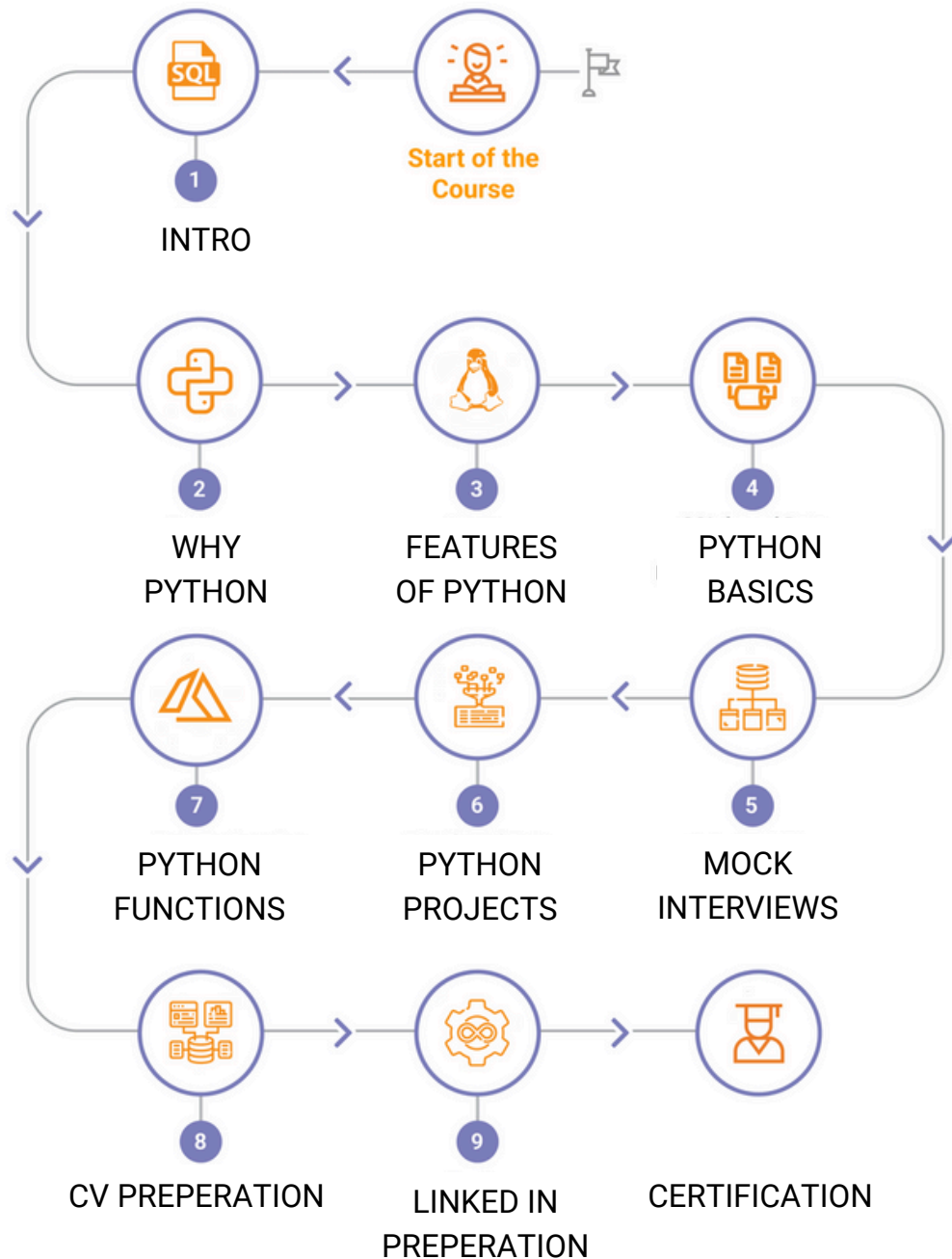
Gamified Learning
Get involved in group activities to solve real-world problems



1:1 Personalized Learning
Hands-on exercises, project work, quizzes, and capstone projects

Live Courses

- Live Courses
- Self-paced



- INTERVIEW PREPERATION
- MOCK INTERVIEWS
- REAL TIME PROJECTS
- LLOYDS, HSBC, CBRE, ING PROJECTS

Module 1: Introduction to Python

- Introduction to Python Programming
- Python Syntax and Data Structures
- Control Flow and Loops
- Functions and Modules
- File Handling in Python
- Error Handling and Exception Handling

Module 2 : Data Structures in Python

- Lists, Tuples, and Sets
- Dictionaries and Hashmaps
- Understanding Mutability and Immutability
- List Comprehensions and Generators
- Working with Strings and String Manipulation

Module 3: Object-Oriented Programming (OOP) in Python

- Introduction to Object-Oriented Programming Concepts
- Classes and Objects in Python
- Inheritance, Polymorphism, and Encapsulation
- Advanced OOP Concepts: Abstract Classes, Interfaces
- Exception Handling and Error Handling in Python

Module 4: File Handling and Input/Output (I/O) Operations

- Reading and Writing Files in Python
- Working with CSV, JSON, and Text Files
- File Manipulation: Renaming, Deleting, and Copying Files
- Handling File Paths and Directories
- Serializing and Deserializing Objects with Pickle and JSON

Module 5: Advanced Python Concepts

- Decorators and Decorator Functions
- Context Managers and the "with" Statement
- Generators and Coroutines
- Functional Programming in Python: Lambda Functions, Map, Filter
- Python's Standard Library and Built-in Functions

Module 6: Data Analysis with Python

- Introduction to Data Analysis Libraries: NumPy and Pandas
- Working with NumPy Arrays: Creation, Indexing, and Slicing
- Data Manipulation and Analysis with Pandas DataFrame
- Data Visualization with Matplotlib and Seaborn
- Introduction to Statistical Analysis with Python

Module 7: Web Scraping and APIs with Python

- Introduction to Web Scraping and Web Crawling
- Scraping Data from Websites using BeautifulSoup and Requests
- Working with APIs: RESTful APIs, JSON, and HTTP Requests
- Accessing and Manipulating API Data in Python
- Building Basic Web Scraping and API Integration Projects

Module 8: Python for Automation and Scripting

- Automating Tasks with Python Scripts
- Scripting for System Administration and Configuration
- Working with Regular Expressions (Regex) in Python
- Building Command-Line Interfaces (CLIs) with argparse
- Creating and Running Python Scripts for Everyday Tasks

Module 9: Data Cleaning and Preprocessing with Python

- Handling Missing Values
- Data Imputation Techniques
- Data Transformation and Standardization
- Feature Scaling and Normalization
- Encoding Categorical Variables
- Handling Outliers and Anomalies

DATA ANALYSIS AND VISUALIZATION PROJECT

Objective: Analyze and visualize a dataset of your choice using Python's data analysis and visualization libraries.

Description: Choose a dataset (e.g., weather data, stock prices, social media data) and perform data analysis to extract insights and trends. Clean and preprocess the data using Pandas, visualize the data using Matplotlib and Seaborn, and present your findings in a report or dashboard.

WEB SCRAPING AND API INTEGRATION PROJECT

Objective: Build a Python script to scrape data from a website or integrate with an API to retrieve data.

Description: Choose a website or API (e.g., weather API, news website) and build a Python script to scrape relevant data or retrieve information. Use BeautifulSoup for web scraping or Requests for API requests. Process and analyze the retrieved data, and present the results in a structured format.

AUTOMATION AND SCRIPTING PROJECT

Objective: Develop a Python script to automate a repetitive task or perform a specific function.

Description: Identify a task or process that can be automated using Python, such as file management, data processing, or system administration. Develop a Python script to automate the task, incorporating features like file handling, regular expressions, or command-line interfaces. Test and refine the script to ensure reliability and efficiency.



Browsejobs Career Services



500+
Webinars



600+
Job Shares



400+
Hiring Partners



55%
Avg. Salary Hike*

What Makes Us **Tick**



Career-oriented Sessions

Attend 10+ career-oriented sessions by industry mentors and prepare your career trajectory



Profile Building

Craft a Data Engineers resume and LinkedIn profile to make an impression on top employers



Mock Interview Preparation

Prepare with mock interviews including most asked questions by top employers



1:1 Mentoring Sessions

Get 1:1 guidance at every step in your career transition to Data Engineers



Assured Interviews

Get job Opportunities with Top MNC's & Startups upon movement to Placement Pool**



Dedicated Job Portal Access

Get exclusive access to 200 job postings per month on browsejobs job portal



Job Fairs

Job fairs are conducted regularly to introduce learners to major organizations



Hackathons

Work in teams and get exclusive access to hackathons



BROWSEJOBS

About Browsejobs

We are Browsejobs, an award-winning digital consulting firm, globally recognized for our exceptional service in the field of artificial intelligence (AI), data science, and software development. With roots dating back to 2013 in London, we are known for providing state-of-the-art technology solutions that drive business performance and enable future readiness. We expanded our operations to India in 2020 and have since been voted the Most Trusted Consulting Firm in India in 2023.



1 Million

Learners & 500+ Corporates across 5+ Countries
upskilling on Browsejobs Platform



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