SUMMER TRAINING

TR
TRAINING BASKET
QUALIFY FOR TOMORROW

python

Python Course Content

Getting Started with Python
- Introduction to Python and its features
- Installing Python and choosing an IDE
- Working with Jupyter Notebook
- Writing your first Python code
- Working with Interactive and Script mode
- Structure of Python Program
- Basic Introduction to OOP

Variables and Operators in Python
- Variable Naming Rules and Assignments
- Python Keywords
- Input and Output
- Operators used in Python:
  - Arithmetic
  - Assignment
  - Comparison
  - Logical
  - Bitwise
  - Identity
  - Membership

Data Type and Control Flow
- Understanding various data types in python and its operations:
  - Usage of operators on Data Types
  - Accessing Elements in sequences
  - Usage of Methods for each Data Type
  - Slicing and Indexing
  - Typecasting Data Types

Data types:
- Immutable
  - Numbers
  - Strings
  - Tuples
  - Frozenset
- Mutable
  - Lists
  - Set
  - Dictionary

Conditional Flow:

- if, elif, else Statement
- Nested statements
- Indentation in Python, Usage of Pass statement

Loops in Python:

- For and While
- Nested Loop
- Usage of Range function
- Usage of Break, Continue Loop Control Statement

Functions in Python:

- Usage of Built-in Functions
  - Example: map, filter, sum, max, min, sorted, dir, help, any, all, eval, enumerate,etc
- User Defined Functions:
  - Structure of UDF and the flow of execution
  - Types of UDF:
    - No Argument
    - Default Arguments
    - Keyword Arguments
    - Fixed Arguments
    - Variable Length Arguments
    - Variable length Keyword Arguments
  - Scope of Variables
  - Lambda Function
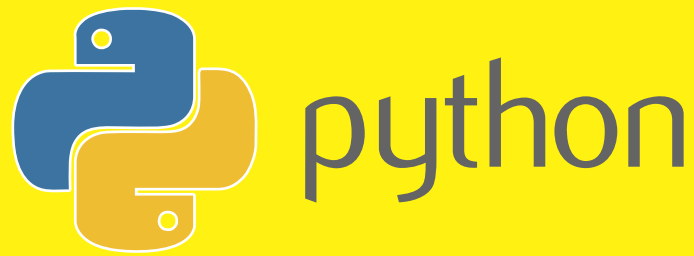
Modules and Packages:

- Importing Modules in Python Programs
- Working with Various Modules and creating User Modules:
  - random, os, sys, time, math, numpy, requests, tkinter, etc
  - Structure of UDM, Usage of __name__variable.

File Handling:

- Opening a file and performing read/write operations
- Introduction to using Excel files using Python

Object-Oriented Programming with Python:

- Class and Objects
- Attributes and methods
- Special Methods and Usage of Operators with objects
- Polymorphism, Inheritance, Abstraction and Encapsulation in Python

Exception Handling:
- Default Exception and Errors
- Catching and Raising Exceptions
- Try--Except--Else--Finally Blocks
- Asserts in Python
- User defined Exceptions

Database Handling:
- Executing Queries on MySQL using python

GUI Programming:
- Tkinter

Multithreading

Decorators, Generators and Iterators in Python

Regular Expression:
- Usage of the Re Module

Web Automation and Web Scraping using Python:
- Selenium
- BeautifulSoup

In-Class Exercises & Projects

Q: **Why should I choose Training Basket over other training providers?**

Ans. Training Basket provides a unique amalgamation of quality, convenience, flexibility and cost. Training Basket has some of the best trainers in the industry. Our trainers excel not just in depth and width of knowledge, but also in their patience and ability to explain difficult concepts in simple terms.

Training Basket has made serious investments with long-term vision for ensuring good environmental factor for studies by first buying their own suites in the prestigious iThum Towers in NOIDA, Sec-62. This lets us configure our labs and classroom suited best to our student's comfort and focused studies.

Q: **What is the criterion for availing the Training Basket job assistance program?**

Ans: All Training Basket students who have successfully completed their training in any of our courses are directly eligible for placement assistance.

Q: **Which are the companies that Training Basket has placed students in the past?**

Ans: We have exclusive tie ups with MNC's like Ericsson, Cisco, Cognizant, Tech Mahindra, MEON, Bingo, Genpact etc.

Q: **Do I need a prior industry experience in getting an interview opportunity?**

Ans: There is no need to have prior opportunity for getting an interview call. The successful completion of any industry level technology training at Training Basket is like an industry experience. This training makes you confident to clear interviews and we also conduct in-house mock interviews on our online assessment platform where we assess our student's kills by testing their code online or industry specific assessment before sending them for interviews.

Q: **How does Training Basket assist in placement?**

Ans: You will be guided on creating an attractive template based resume. You will get opportunity to attend free personality development program and mock interviews conducted by our SME's to boost your confidence for real interviews. Plus you will be given our level assessment platform where we assess our student's kills by testing their code online or industry specific assessment.

Q: **If I don't clear in first attempt, will I get another chance?**

Ans: Yes, for sure. Your resume will be active on our job portal and will be visible to all our associates and clients. Training Basket will continue to send your resume to future job requirements matching your profile till you land a job.

Q: **Does Training Basket Guarantee job through it's job assistance program?**

Ans: Training Basket does not guarantee job placement but it will continue to assist you on best efforts basis to place you in it's affiliated companies' network.

COMPANIES WHERE OUR STUDENTS ARE PLACED

Tech Mahindra

DELL

Source Soft Solutions
We only believe in the best

Chi Networks

ADS-eVER

MEON
DELIVERING GREAT SURFACES

BioMax

NECTAR PHYTOCHEMS

BINGO
Change • Innovate • Lead

Dimensions
Nine Dimensions Infotech

WTS Webtech Solutions

HCL

IBM

Infosys

accenture

HUAWEI

Reliance
Jio Infocomm

pinga solutions

DATA BRIDGE
MARKET RESEARCH

CoreIP
Technology Pvt Ltd

iSOURCe

network solutions

NUCLEUS SOFTWARE

Shailers
Solutions...for your need

hp

SAMSUNG

indiatech
Solutions