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***PYTHON WORLD INSTITUTE***

* **Agenda**

# What is Python

* **Why Python**
* **Where Python**
* **Python Course**
* **Robot Frame work**
* **Selenium**
* **Rest API**
* **Real Time**
* **IMP Interview Questions**
* **Mock Interview**
* **High-level general-purpose Programming language**
* **Interpreted Language**
* **Developed by Guido Van Rossum in 1989 and first released in 1991**
* **Taken Python name from “Monty Python’s Flying Circus “ comedy show**
* **Borrowed features from**
  + **Functional Programing from C**
  + **OOP from C++**
  + **Scripting from Perl and Shell script**
  + **Modular from Modula 3**
  + **Syntax from C and ABC Language**
* Python is easy to learn and use
* Simple easy-to-use syntax
* Require lesser coding
* Interactive Shell
* Interpreted
* Modular
* Dynamic
* Object-oriented and Packages
* Portable
* High level
* **Automatic Memory Management.**
* Well Defined Libraries and open source Frameworks
* Compatible with Major Platforms
* Open Source
* Graphical user interfaces
* Multimedia
* Test frameworks
* Automation
* Documentation
* System administration
* Text processing
* Image processing
* Scientific and Numeric Applications
* Machine Learning
* Web Application
* Web scraping
* Desktop applications
* Database Access
* Embedded scripting language
* Network Programming
* Data Types
* Conditional Operations
* Loops
* Functions
* File Handling
* Regular Expressions
* Modules
* OOP
* Exceptions
* Packages
* Iterators & Generators
* Decorators
* Map, Filter, reduce and zip
* Lambda, List comprehension
* stdin and command line argument
* Predefine modules (Threading, paramiko,WMI,logging,requests,pyt est,os and pymysql)
* About Robot Framework
* Robot File Structure
* Variable operations
* Conditional Statements
* Loops
* Create Keywords
* Create and usage of Resource Files
* Use Python functions in Robot File
* About Collections and Operating System and String Libraries
* Setup and Tear down section and Suite Setups
* Execution Types
* About Selenium
* Element Identifiers
* Login Gmail
* Handle Popups
* Double click operations
* Scroll down
* Switch to another tab
* POM(Page Object Model)
* Get window title and text from element
* Set Windows size
* Get window screenshot
* Waits(Implicit and Explicit)
* Create Dynamic xpath
* Select drop down values
* Get table data
* Switch to frame and windows
* About REST API
* HTTP Methods
* HTTP Response codes
* Implement REST API with bottle framework
* API testing with postman tool
* API automation with python requests module
* About Project and roles and responsibilities
* Git(Version Control Toll)
* Bug Tools(JIRA or CDETS)
* Project Directory Structure
* About tools (putty, MSTSC, Winscp)
* Basic commands(ping, ifconfig, ipconfig, ssh, scp)
* Mails and chat
* About payroll company and client
* Document for Basic Linux Commands and MYSQL DB
* Document for Testing concepts SDLC, TDLC and Bug life cycle
* Resume Preparation
* **Interview Questions**
* **Mock Interview**