

# Python Interview Questions

Lavatech Technology

## Contents

<b>1</b>	<b>Python Interview Questions for Freshers</b>	<b>2</b>
<b>2</b>	<b>Python Interview Questions for Experienced</b>	<b>3</b>
<b>3</b>	<b>Python OOPS Interview Questions</b>	<b>4</b>
<b>4</b>	<b>Python Pandas Interview Questions</b>	<b>5</b>
<b>5</b>	<b>Numpy Interview Questions</b>	<b>6</b>
<b>6</b>	<b>Python Libraries Interview Questions</b>	<b>7</b>
<b>7</b>	<b>Python Programming Examples</b>	<b>8</b>

## 1 Python Interview Questions for Freshers

### 1. What is Python? What are the benefits of using Python?

**Answer:**

Python is a high-level, interpreted, general-purpose programming language. Being a general-purpose language, it can be used to build almost any type of application with the right tools/libraries. Additionally, python supports objects, modules, threads, exception-handling, and automatic memory management which help in modelling real-world problems and building applications to solve these problems.

**Benefits of using Python:**

- Python is a general-purpose programming language that has a simple, easy-to-learn syntax that emphasizes readability and therefore reduces the cost of program maintenance. Moreover, the language is capable of scripting, is completely open-source, and supports third-party packages encouraging modularity and code reuse.
- Its high-level data structures, combined with dynamic typing and dynamic binding, attract a huge community of developers for Rapid Application Development and deployment.

### 2. What is a dynamically typed language?

**Answer:**

Before we understand a dynamically typed language, we should learn about what typing is. Typing refers to type-checking in programming languages. In a strongly-typed language, such as Python, "1" + 2 will result in a type error since these languages don't allow for "type-coercion" (implicit conversion of data types). On the other hand, a weakly-typed language, such as Javascript, will simply output "12" as result.

**Type-checking can be done at two stages -**

- Static - Data Types are checked before execution.
- Dynamic - Data Types are checked during execution.

Python is an interpreted language, executes each statement line by line and thus type-checking is done on the fly, during execution. Hence, Python is a Dynamically Typed Language.

## 2 Python Interview Questions for Experienced

### 1. Welcome



### 3 Python OOPS Interview Questions

1. Welcome



## 4 Python Pandas Interview Questions

### 1. Welcome



## 5 Numpy Interview Questions

### 1. Welcome



## 6 Python Libraries Interview Questions

### 1. Welcome





## 7 Python Programming Examples

### 1. Welcome

