

# Complete Python Course Bootcamp from Beginners to Professional



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# String Indexing

Basic Concepts and Fundamentals of Python  
Programming

# Basic Concepts and Fundamentals of Python Programming

1. Introduction to Computer Science
2. Introduction to Python Programming
3. `print()` function
4. Data Types
5. Variables
6. Calculations
7. String Formatting
8. Escape Sequences
9. String Indexing
10. String Slicing
11. Step Slicing
12. Input Method
13. Project 1 - Band Name Generator
14. Project 2 - Tip Calculator

# Presentation Agenda

String Recap

What is an Index ?

Basic Intuition of String Indexing

Code Walkthrough

Exercise

# String Recap

## String Indexing

# Strings

Everything that is quoted inside single quotes ( ‘ ’ ) or double quotes ( “ ” ) is called as a String.

For Example,

“cat”, ‘hat’, “kaustubh”, ‘new client’, etc.

# What is an Index ?

String Indexing

# What is an Index ?

If we peep inside our minds, the only thing which comes, is the index of a book.

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# What is an Index ?

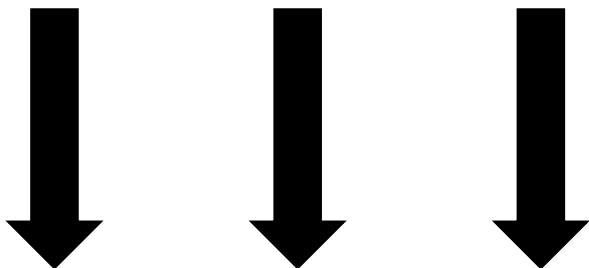
In Python or I would rather say that in any programming language, index stands for **position**.

We will understand this in a more better way with the help of an **example** with **graphical representation**.

# Basic Intuition of String Indexing

String Indexing

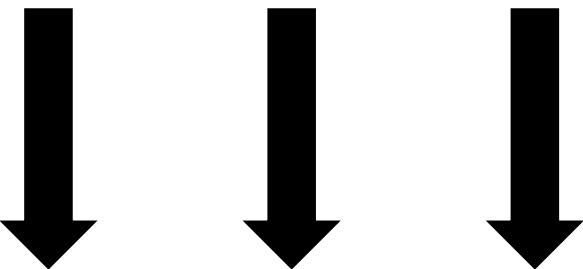
“ c a t ”



0 1 2 →

Positive Indexes

**“ c a t ”**



**-3 -2 -1 → Negative Indexes**

# Basic Intuition of String Indexing

In English Language ,

A group of letters is called as a **word**.

A character representing some kind of symbolic alphabet is called as a **letter**.

# Basic Intuition of String Indexing

In Python Programming Language ,

A group of letters is called as a **string**.

A character representing some kind of symbolic alphabet is called as a **element**.

# Basic Intuition of String Indexing

So, in a nutshell we can conclude that,

Words - Strings

Letters - Elements

# Code Walkthrough

## String Indexing

# Code Walkthrough

**Code :**

```
name = "Kaustubh"
```

```
print(name[2])
```

**Output :**

```
U
```

# Exercise

## String Indexing

# Exercise

Code the following :

**sentence = “He is a Python Developer”**

You have to generate the following output :

**Python**

# Thank You!



## Kaustubh Wankhede