

# Comprehensive Python Programming

From Fundamentals to Advanced

(21 Oct 2024 - 13 Nov 2024)

IHUB DivyaSampark IIT Roorkee

## Strings

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Led by : Shreyas Shukla

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Strings are sequences of characters, using the syntax of either single quotes or double quotes:

- **'hello'**
- **"Hello"**
- **" I don't do that "**

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and

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Because strings are **ordered sequences** it means we can using **indexing** and **slicing** to grab sub-sections of the string.

Indexing notation uses [ ] notation after the string

Indexing allows you to grab a single character from the string.

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**Character : h e l l o**

**Index : 0 1 2 3 4**

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Character :	h	e	l	l	o
Index :	0	1	2	3	4
Reverse Index:	-5	-4	-3	-2	-1

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Slicing allows you to grab a subsection of multiple characters, a “slice” of the string.

Syntax: **[start:stop:step]**

**start** is a numerical index for the slice start

**stop** is the index you will go up to (but not include)

**step** is the size of the “jump” you take.

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# Let's code!

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