Getting Started with Strings

Spoken Tutorial Project
http://spoken-tutorial.org
National Mission on Education through ICT

http://sakshat.ac.in

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- ▶ **Define strings in different ways.**
- ▶ **Concatenate strings.**
- ▶ **Print a string repeatedly.**
- ▶ **Access individual elements of the string.**
- ▶ **Learn immutability of strings.**

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- `IPython 4.0.0`

Pre-requisites

To practise this tutorial, you should know how to

- ▶ run basic Python commands on the ipython console

If not, see the pre-requisite Python tutorials on http://spoken-tutorial.org

What are Strings?

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- **In Python anything within single quotes is a string**
  For Example:'This is a string'

- **or double quotes is also a string**
  For example: "This is a string too"

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- Strings in triple quotes can be written in multiple lines.

- We can also define empty strings

Obtain the string %%——————%%(20 hyphens) without typing out all the twenty hyphens.

Given a string, `s` **which is** `Hello World` **, what is the output of::**

s[-5]
s[-10]
s[-15]
s[15]

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In this tutorial, we have learnt to,

- ▶ **Define strings in different ways.**
- ▶ **Concatenate strings by performing addition.**
- ▶ **Repeat a string 'n' number of times by doing multiplication.**

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- Access individual elements of the string by using their subscripts.

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- **Access individual elements of the string by using their subscripts.**
- **Use the concept of immutability of strings.**

1. **Write code to assign s, the string " ' is called the apostrophe"**

2. **Given strings s and t, "s = "Hello" " and "t = "World" " and an integer r, "r = 2". What is the output of s * r + t * r?**

Evaluation

3. **How will you change s='hello' to s='Hello'.**
   - s[0]= H
   - s[0]='H'
   - strings are immutable,hence cannot be manipulated.

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Solutions

1. s = " ' is called the apostrophe"

2. HelloHelloWorldWorld

3. Strings are immutable, hence cannot be manipulated.

Forum to answer questions

- **Do you have questions in THIS Spoken Tutorial?**
- **Choose the minute and second where you have the question.**
- **Explain your question briefly.**
- **Someone from the FOSSEE team will answer them. Please visit**

http://forums.spoken-tutorial.org/

Forum to answer questions

- **Questions not related to the Spoken Tutorial?**

- **Do you have general / technical questions on the Software?**

- **Please visit the FOSSEE Forum**

  http://forums.fossee.in/

- **Choose the Software and post your question.**

Textbook Companion Project

- **The FOSSEE team coordinates coding of solved examples of popular books**
- **We give honorarium and certificate to those who do this**

For more details, please visit this site:

http://tbc-python.fossee.in/

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- **More information on this Mission is available at:**
  http://spoken-tutorial.org/NMEICT-Intro

THANK YOU!

For more Information, visit our website http://fossee.in/