Getting Started with Tuples

Spoken Tutorial Project

http://spoken-tutorial.org

National Mission on Education through ICT

http://sakshat.ac.in

Script: Aditya Palaparthy

Narration: Kiran K

IIT Bombay

30 November 2015





In this tutorial we will learn,





In this tutorial we will learn,

Understand what tuples are.





In this tutorial we will learn,

- Understand what tuples are.
- Compare them with lists.





In this tutorial we will learn,

- Understand what tuples are.
- Compare them with lists.
- Know why they are needed and where to use them.









▶ Ubuntu Linux 14.04





- ▶ Ubuntu Linux 14.04
- ▶ Python 2.7.6





- Ubuntu Linux 14.04
- Python 2.7.6
- ▶ IPython 4.0.0





Pre-requisite

To practise this tutorial, you should know how to

- run basic Python commands on the ipython console
- use Lists

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



Exericse 1

Given, a = 5 and b = 7. Swap the values of a and b.





In this tutorial, we have learnt to,

Define tuples.





In this tutorial, we have learnt to,

- Define tuples.
- Understand the similarities of tuples with lists, like indexing and iterability.





Know about the immutability of tuples.





- Know about the immutability of tuples.
- Swap values, the python way.





- Know about the immutability of tuples.
- Swap values, the python way.
- Understand the concept of packing and unpacking of tuples.





1. Define a tuple containing two values. The first being integer 4 and second is a float 2.5





- 1. Define a tuple containing two values. The first being integer 4 and second is a float 2.5
- 2. If a = 5, then what is the type of
 a?





- 1. Define a tuple containing two values. The first being integer 4 and second is a float 2.5
- 2. If a = 5, then what is the type of
 a?
 - int
 - float
 - tuple
 - string









Solutions

- 1. (4, 2.5)
- 2. tuple
- 3. Error





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





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/



Acknowledgements

- Spoken Tutorial Project is a part of the Talk to a Teacher project
- It is supported by the National Mission on Education through ICT, MHRD, Government of India
- 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/



