

Datatypes and Operators

Spoken Tutorial Project

<http://spoken-tutorial.org>

National Mission on Education through ICT

<http://sakshat.ac.in>

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19 November 2015



Objectives

In this tutorial we will learn,



Objectives

In this tutorial we will learn,

- ▶ **Datatypes in Python**
 - ▶ Numbers
 - ▶ Boolean
- ▶ **Operators in Python**
 - ▶ Arithmetic Operators
 - ▶ Boolean Operators



System Specifications



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- ▶ **Ubuntu Linux 14.04**



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- ▶ **Python 2.7.6**



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- ▶ **Ubuntu Linux 14.04**
- ▶ **Python 2.7.6**
- ▶ **IPython 4.0.0**



Pre-requisite

To practise this tutorial, you should know how to -



Pre-requisite

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>.



Numbers

- ▶ `int`
- ▶ `float`
- ▶ `complex`



Exercise 1

- ▶ Using python find square root of 3?



Solution 1

► `3**0.5`



Exercise 2

- ▶ Is $3^{1/2}$ and $3^{0.5}$ same?



Summary

In this tutorial, we have learnt to,

- ▶ **Understand the number Datatypes**
– **integer, float and complex.**



Summary

In this tutorial, we have learnt to,

- ▶ Understand the number Datatypes – integer, float and complex.
- ▶ Know the boolean datatype and operators `-`, `+`, `*`, `/`, `**`, `%`



Evaluation

1. What are three built-in data types in python to represent numbers?
2. Which operator is used to find exponent?



Solutions

1. The built-in datatypes are
 1. int
 2. float
 3. complex
2. ****** is used to find exponent



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/>



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/>

