Input - Output

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

http://sakshat.ac.in

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23 November 2015

Objectives

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In this tutorial we will learn,

- ▶ Print some value.
- ▶ Print using format specifiers.
- ▶ Take input from user.
- ▶ Display a prompt to the user before taking the input.

System Specifications

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- **Ubuntu Linux 14.04**

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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 happens when you do**
  print ``x is %d, y is %f''
  %(x, y)

- **Enter the number 5.6 as input and store it in a variable called c.**

- **What happens when you do not enter anything and hit enter.**

Summary

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In this tutorial, we have learnt to,

- Use the print statement.
- Use the format specifiers `%d`, `%f`, `%s` in the print statement.
- Take input from user by using `raw_input()`.

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- Display a prompt to the user before taking the input by passing a string as an argument to `raw_input`.

1. `a = raw_input()` and user enters `2.5`.

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   What is the type of `a`?

Evaluation

1. `a = raw_input()` and user enters `2.5`.
   What is the type of a?
   - `str`
   - `int`
   - `float`
   - `char`

2. `a = 2` and `b = 4.5`. What is the result of the following action.
`print ``a is %d and b is %2.1f'' %(b,a)`

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   result of the following action.
   `print ``a is %d and b is`
   `%2.1f'' %(b,a)`
   - `a is 2 and b is 4.5`
   - `a is 4 and b is 2`
   - `a is 4 and b is 2.0`
   - `a is 4.5 and b is 2`

Solutions

1. `str`

2. `a is 4 and b is 2.0`

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
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