Loops

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

http://sakshat.ac.in

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19 November 2015

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At the end of this tutorial, you will be able to,

- **use the `for` loop.**
- **use the `while` loop.**
- **Use `break`, `continue` and `pass` statements in the loops.**

System Specifications

▶ **Ubuntu Linux 14.04**

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- `IPython 4.0.0`

To practice this tutorial, you should know how to -

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- ► **use for statements**

Pre-requisite

To practice this tutorial, you should know how to -

- **use for statements**
- **conditionals**

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

while loop

Syntax:

```
while condition:
    True block statements
    update condition variable
```

Write a `while` loop to print the squares of all the even numbers below 10.

Write a `for` loop to print the squares of all the even numbers below 10.

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- ▶ **Skip iterations using `continue` statement.**

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In this tutorial, we have learnt to,

▶ **Iterate over a sequence using `for` and `while` loops.**

▶ **Break out of loops using `break` statement.**

▶ **Skip iterations using `continue` statement.**

▶ **Use the `pass` statement in a loop.**

1. **Given `range(1,4)`**
   Write a code to print only the
   number 1.

Self assessment questions

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2. Which statement do you use to
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1. Given `range(1,4)`
   Write a code to print only the number 1.

2. Which statement do you use to skip iterations.
   - break
   - pass
   - continue

Solution of self assessment questions

1. ```
for i in range(1,4):
        print i
        break
```

2. ```
continue
```

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/