

# Nested for loop in BASH

Talk to a Teacher Project

<http://spoken-tutorial.org>

National Mission on Education through ICT

<http://www.sakshat.ac.in>

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IIT Bombay

December 23, 2013



# Learning Objectives



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- ▶ **Nested for loop**



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- ▶ **Nested for loop**
- ▶ **With the help of an example**



# System Requirements



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- ▶ **Ubuntu Linux 12.04 OS**



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- ▶ **GNU Bash version 4.1.10**



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- ▶ **GNU Bash version 4.1.10**
- ▶ **GNU Bash version 4 or above is recommended for practice**



# Prerequisites



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- ▶ **You should be familiar with loops in Bash**



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- ▶ You should be familiar with loops in Bash
- ▶ For relevant tutorials, please visit <http://spoken-tutorial.org>



# Introduction to nested loop



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- ▶ **A loop within a loop is known as nested loop**



# Syntax



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```
for ((exp1; exp2; exp3))  
do  
    for ((exp1; exp2; exp3))  
    do  
        statement1  
        statement2  
    done  
done
```



# Summary



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- ▶ **Nested for loop**



# Assignment

- ▶ **Retype** `nested-for.sh` **bash script** using **nested while loop**
- ▶ **Save our program with the name:** `nested-while.sh`



# About the Spoken Tutorial Project

- ▶ Watch the video available at [http://spoken-tutorial.org/What\\_is\\_a\\_Spoken\\_Tutorial](http://spoken-tutorial.org/What_is_a_Spoken_Tutorial)
- ▶ It summarizes the Spoken Tutorial project



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- ▶ It summarizes the Spoken Tutorial project
- ▶ If you do not have good bandwidth, you can download and watch it



# Spoken Tutorial Workshops

## The Spoken Tutorial Project Team

- ▶ Conducts workshops using spoken tutorials
- ▶ Gives certificates to those who pass an online test
- ▶ For more details, please write to [contact@spoken-tutorial.org](mailto:contact@spoken-tutorial.org)



# Acknowledgments

- ▶ **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>

