

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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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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- ▶ **Ubuntu Linux 12.04 OS**
- ▶ **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



Introduction to nested loop

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



Syntax



Syntax

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



Summary



Summary

- ▶ **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

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- ▶ It summarizes the Spoken Tutorial project



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- ▶ 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



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- ▶ 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>

