

# Using this keyword

Talk to a Teacher

<http://spoken-tutorial.org>

National Mission on Education through ICT

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

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12 June 2012



# Learning Objectives



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- **About use of this keyword**



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- About use of this keyword
- **To use this keyword with fields.**



# Learning Objectives

- About use of this keyword
- To use this keyword with fields.
- **To use this keyword for chaining of constructors.**



# System Requirements



Talk to a Teacher



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- **Ubuntu 11.10 OS**



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- **JDK 1.6**



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- **Ubuntu 11.10 OS**
- **JDK 1.6**
- **Eclipse 3.7.0**



# Prerequisites



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- **To create a default constructor in Java using Eclipse**



# Prerequisites

- To create a default constructor in Java using Eclipse
- To create a parameterized constructor in Java



# Prerequisites

- To create a default constructor in Java using Eclipse
- To create a parameterized constructor in Java
- Please refer to the spoken tutorial on these topics available at <http://spoken-tutorial.org>



# Use of "this" keyword



# Use of "this" keyword

- **Within a constructor, this is a reference to the current object.**



# Use of "this" keyword

- **Within a constructor, this is a reference to the current object.**
- **We can refer any member of the current object within a constructor using this.**



# Using this with fields



# Using this with fields

- **this keyword helps us to avoid name conflicts.**



# Using this for chaining of constructors



# Using this for chaining of constructors

- **We can use this keyword inside a constructor to call another one.**



# Using this for chaining of constructors

- We can use this keyword inside a constructor to call another one.
- **The constructors must be in the same class.**



# Using this for chaining of constructors

- We can use this keyword inside a constructor to call another one.
- The constructors must be in the same class.
- **This is called explicit constructor invocation.**



# Summary



# Summary

- To use this keyword with fields.
- To use this keyword for chaining constructors.
- How this keyword should be used within a constructor.



# Assignment



# Assignment

- Create an Employee class.
- Create a constructor with two parameters.
- Use this keyword to initialize the instance variables.
- Also create a constructor with 1 and no parameters.
- Try chaining the constructors using this as explained in the tutorial.



# Assignment



# Assignment

- **Also create a constructor with 1 and no parameters.**
- **Try chaining the constructors using this as explained in the tutorial.**



# 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 summarises the Spoken Tutorial project



# About the Spoken Tutorial Project

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- It summarises 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)



# 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>

