

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**



Learning Objectives

- 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



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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
- It summarises the Spoken Tutorial project



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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



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>

