

Instance Fields

Talk to a Teacher

<http://spoken-tutorial.org>

National Mission on Education through ICT

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Talk to a Teacher



Learning Objectives



Learning Objectives

- **About Instance Fields**



Learning Objectives

- **About Instance Fields**
- **To access the instance fields of a class**



Learning Objectives

- About Instance Fields
- To access the instance fields of a class
- **Modifiers for instance fields**



Learning Objectives

- **About Instance Fields**
- **To access the instance fields of a class**
- **Modifiers for instance fields**
- **Why instance fields are called so?**



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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- **Create a class in Java using Eclipse**



Prerequisites

- Create a class in Java using Eclipse
- Create an object for the class



Prerequisites

- Create a class in Java using Eclipse
- Create an object for the class
- Please refer to the spoken tutorial on these topics available at <http://spoken-tutorial.org>



Instance Fields



Instance Fields

- **Objects store their individual states in fields.**



Instance Fields

- Objects store their individual states in fields.
- **These fields are declared without the static keyword.**



Instance Fields

- Objects store their individual states in fields.
- These fields are declared without the static keyword.
- **Non-static fields are also known as instance variables or instance fields.**



Why instance fields are called so?



Why instance fields are called so?

- **Values are unique to each instance of a class.**



Why instance fields are called so?

- Values are unique to each instance of a class.
- Each object will have unique values.



Reference Variables



Reference Variables

- **Variables that refer to objects are reference variables.**



Summary



Summary

- **About instance fields**
- **Accessing the fields using dot operator**



Assignment



Assignment

- **Create an object emp2 in the TestEmployee class.**
- **Initialize the values of the two objects using dot operator.**



Assignment



Assignment

- Use 55 and Priya as values for first object.
- Use 45 and Sandeep for values second object.
- Display the values for both the objects in the output.



About 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



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- More information on this Mission is available at <http://spoken-tutorial.org/NMEICT-Intro>

