The Spoken Tutorial Project

- Self-explanatory: uses simple language
- Audio-video: uses multisensory approach
- Small duration: has better retention
- Learner-centered: learn at your own pace
- Learning by doing: learn and practise simultaneously
- Empowerment: learn a new FLOSS (Free/Libre and Open Source Software)

Target Audience

- UG/PG CSE/IT/CS students
- Working professionals.

Workshops

The Spoken Tutorial Project Team conducts workshops on Java Business Application and other FLOSS using spoken tutorials and gives certificates to those who pass an online test.
For more details, please visit
https://spoken-tutorial.org

Forum

We have developed a beginner friendly Forum to answer specific questions pertaining to any part of a particular tutorial.
For more details, please visit
https://forums.spoken-tutorial.org.

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Contact us

Email: contact@spoken-tutorial.org
Website: https://spoken-tutorial.org

Forum help available to all learners

Content available in 22 Indian languages

IIT Bombay

Spoken Tutorial

https://spoken-tutorial.org

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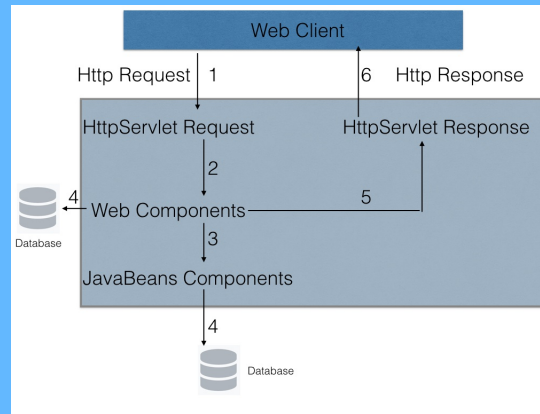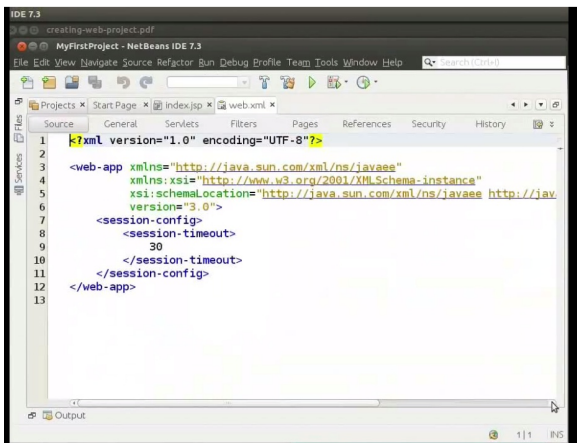
Java Business Application

Introduction

Java is the most popular open source, class-based, object oriented, high-level programming language. Java provides a systematic procedure for application development. Applications developed with Java are common in banking , fintech and other businesses.

Download and Installation

http://www.oracle.com/technetwork/java/javase/downloads/index.html

Why use Java for Business Applications

- **Portability:** Java feature write-once-run-anywhere makes it portable, provided that the system has an interpreter for JVM.

- **Performance:** Uses native code and lightweight process called threads. The advance version of JVM uses adaptive and just-in-time compilation technique to improve the total performance.

Security features

- Programs in Java run under an area known as the sandbox.

- Uses public key encryption system to allow the java applications to transmit over the internet, in a secure and encrypted form.

Other important features

- Strong memory allocation.

- Automatic garbage collection mechanism

- Powerful exception handling

- Multithreading

- Security & Scalability

- Well suited to use with complex business logic

- Advanced authentication and access control

MVC pattern for java web application

- JSP as view
- Servlets as controller

Spoken Tutorials in Java for Business Applications Series

- Creating Java Web Project
- About Web Server and Web Container
- Introduction to JSP and Servlets to build web application
- Learning MVC architecture
- Understanding URL, Deployment Descriptor and RequestDispatcher
- Interacting with database and form field validation
- Web application directory structure