

Professional Skills
Agile Fundamentals
Jira
Git
Databases Introduction
Java Beginner
What is Java?
Installation
Hello World Example
Data Types
Packages
Naming Conventions Cheat Sheet
Flow of Control
Class Members
Operators
Conditionals
Iteration
Arrays
ArrayList
Enhanced For Loops
String Manipulation
Class Constructors
Access Modifiers
Installing Java & Maven To PATH
Object-Oriented Programming Principles
Encapsulation
Inheritance
Polymorphism
Abstraction
Interfaces
Type Casting
Static
Final
Garbage Collection
Input With Scanner
Pass by Value/Reference
JUnit

Installation

Contents

- Overview
 - Windows
 - Ubuntu
- Tutorial
- Exercises

Overview

In this module, we will be going through how to install java.

Windows

To install Java for Windows operating systems, follow the instructions below.

► expand

Ubuntu

To install Java for Ubuntu operating systems, follow the instructions below.

► expand

Tutorial

This tutorial will guide you through writing, compiling, and running **Java** code on your respective system.

*Caution: At this point, you should be able to see a successful response from **java -version**, if you do not, you will need to return to the installation process to confirm that Java is installed correctly.*

Windows

This tutorial is applicable for running java on a Windows Operating System.

► expand

Unix

This tutorial is applicable for running Java on a Unix Operating System.

INFO:

*To complete this tutorial, you need to be working on a Linux machine or using the **git bash** terminal for Windows.*

► expand

Exercises

<div><div><div></div></div><div>Test Driven Development</div></div> <div><div><div></div></div><div>UML Basics</div></div> <div><div><div></div></div><div>JavaDoc</div></div> <div><div><div></div></div><div>Peer Programming</div></div> <div><div><div></div></div><div>Code Reviews</div></div>
Maven
Testing (Foundation)
Java Intermediate
HTML
CSS
Javascript
Spring Boot
Selenium
Sonarqube
Advanced Testing (Theory)
Cucumber
MongoDB
Express
NodeJS
React
Express-Testing
Networking
Security
Cloud Fundamentals
AWS Foundations
AWS Intermediate
Linux
DevOps
Jenkins Introduction
Jenkins Pipeline
Markdown
IDE Cheatsheet

There are no exercises for this module.

