

# REMO 06.21.21 Java CI FT

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Your progress 



Announcements



Attendance



## Course Overview

### Welcome to Foundational Java presented by Tech Talent South

This course will meet Monday - Thursday 9 a.m. - 12 p.m. EST for 10 weeks and office hours are immediately following lectures from 12 - 1:30 pm EST.

The first day of class is Monday, June 21, 2021, and will end Thursday, August 26, 2021. There are a total of 40 lectures.

Lectures delivered by the course instructor are reinforced with hands-on (learning by doing) programming projects, including a capstone full-stack Java project.

You are expected to complete lab/homework assignments after the lecture and after class. Questions and challenges from past assignments will be addressed by the instructor and/or the T.A. during class sessions.

Throughout the course, you will complete various assessments.

Be sure to study hard, ask questions, and actively participate. Let's get ready to become Java programmers!

**Prior to the first day of class**, please review the information [HERE](#) to complete the Java environment setup.

## HackerRank Challenges






Please complete the following HackerRank challenges as you progress through the course. You may do this at your own pace, but all challenges should be marked as "solved" before the course ends.

*Having a strong personal HackerRank profile is essential to your professional advancement!*

Good luck!

- |   |                          |
|---|--------------------------|
|  Submit: SQL Challenges  | <input type="checkbox"/> |
|  Submit: Welcome to Java | <input type="checkbox"/> |
|  Submit: Java If-Else    | <input type="checkbox"/> |
|  Submit: Java Loops      | <input type="checkbox"/> |
|  Submit: Java ArrayList  | <input type="checkbox"/> |

## Week 1, Day 1 | Introduction to Programming and Command Line

- |  |                                     |
|--|-------------------------------------|
|  6/21 Recording               | <input type="checkbox"/>            |
|  Slides: Intro to Programming | <input checked="" type="checkbox"/> |
|  Slides: Command Line         | <input type="checkbox"/>            |
| <b>Submit: Homework/Lab</b>  | <input checked="" type="checkbox"/> |
|  Command Line                 | <input checked="" type="checkbox"/> |
| <b>Resources</b>   | <input type="checkbox"/>            |
|  Command Line Cheat Sheet     | <input type="checkbox"/>            |

## Week 1, Day 2 | Git/GitHub

- |  |                          |
|--|--------------------------|
|  6/22 Recording     | <input type="checkbox"/> |
|  Slides: Git/GitHub | <input type="checkbox"/> |
| <b>Submit: Homework/Lab</b>  | <input type="checkbox"/> |



GitHub Interactive Assignment



## Resources



Watch: New Repository on Github (YouTube, 6 min)



Watch: Github Tutorial For Beginners and Source Control (YouTube, 19 min)



Lab: GitHub (60 min)



GitHub Cheat Sheet



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## Week 1, Day 3 | Development Methodologies - Agile



6/23 Recording



Slides: Agile



### Submit: Homework/Lab



Kanban Board



## Resources



Agile Interview Questions



Watch: Intro to Agile (YouTube, 90 min)



Agile: Scrum Tutorial



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## Week 1, Day 4 | HTML



6/24 Recording



Slides: HTML



### Submit: Homework/Lab



HTML - Elements



HTML - Favorite Restaurants



HTML - Résumé



## Resources





HTML Beginner Tutorial

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HTML Intermediate Tutorial

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HTML Text Fundamentals

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HTML Reference Guide

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## Week 2, Day 1 | CSS 1



6/28 Recording

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Slides: CSS 1

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**Submit: Homework/Lab**

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CSS Practice via Codecademy

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**Resources**

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CSS Interactive Guide

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Materialize

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CSS Reference Guide

☐

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## Week 2, Day 2 | CSS 2



Slides: CSS 2

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**Submit: Homework/Lab**

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CSS Practice via Codecademy

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Submit: Multi-page site CSS and HTML Lab

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**Resources**

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CSS Reference Guide

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Practice: Flexbox

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Flexbox Froggy

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Flexbox Defense

☐

## Week 2, Day 3 | Intro to JavaScript



Slides: JavaScript

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**Submit: Homework/Lab**

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If Statements

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Loops

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**Resources**

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JavaScript Resource Guide

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## Week 2, Day 4 | Bootstrap



Slides: Bootstrap

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**Submit: Homework/Lab**

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**Resources**

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Bootstrap Guide for Beginners

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Week 3, Day 1 | JavaScript Data Structures is not available

Week 3, Day 2 | JavaScript Functions 1 is not available

Week 3, Day 3 | JavaScript Functions 2 is not available

Week 3, Day 4 | JavaScript DOM Traversal is not available

Week 4, Day 1 | JavaScript OOP is not available

Week 4, Day 2 | REST, HTTP, APIs is not available

Week 4, Days 3 & 4 - Group Project is not available

Week 5, Day 1 | Postman is not available

Week 5, Day 2 | JavaScript Callbacks is not available

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Week 5, Day 3 | JavaScript Promises & Async/Await is not available

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Week 5, Day 4 | Intro to React is not available

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Week 6, Day 1 | Intro to Java and Data Types is not available

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Week 6, Day 2 | Java: Control Flow is not available

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Week 6, Day 3 & 4 | Java: Data Structures 1 is not available

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Week 7, Day 1 | Java: Intro to Object Oriented Programming (OOP) is not available

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Week 7, Day 2 | Java: OOP 2 - Classes, Objects, and Methods is not available

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Week 7, Day 3 | Java: OOP 3 - Interfaces, Method Overriding is not available

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Week 7, Day 4 | Databases and SQL is not available

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Week 8, Day 1 | SQL Fundamentals is not available

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Week 8, Day 2 | Relational Databases is not available

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Week 8, Day 3 | Tic-Tac-Toe Project is not available

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Week 8, Day 4 | Java: Heaps, Binary Trees is not available

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Week 9, Day 1 | Intro to Spring Boot is not available

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Week 9, Day 2 | Spring Boot Open Weather is not available

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Week 9, Day 3 | Spring Boot Blog Project 1 is not available

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Week 9, Day 4 | Spring Boot Blog Project 2 & 3 is not available

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Week 10, Days 1, 2, & 3 | Java Project with 3 Applications is not available

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Week 10, Day 4 | LAST DAY - Project Presentations and Final Exam is not available

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Week 10, Day 3 | 2048 Game Project is not available

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