Submission Worksheet

CLICK TO GRADE

IT114-002-S2024 - [IT114] Java Refresh Readings Part 2

Submissions:

Submission Selection

1 Submission [active] 2/18/2024 1:42:37 AM

Instructions

^ COLLAPSE ^

Visit w3schools and go to the Java Tutorial section: https://my-learning.w3schools.com/tutorial/java
Complete the following readings
    Strings Lessons 5.1 - 5.4
    Methods Lessons 10.1-10.5
    Classes Lessons 11.1 - 11.6, 11.15, 11.21
    File Handling Lessons 12.1 - 12.4

Guide:

Make sure you're in the main branch locally and `git pull origin main` any pending changes
Make a new branch per the recommended branch name below (git checkout -b ...)
Fill in the items in the worksheet below (save as often as necessary)
Once finished, export the worksheet
Add the output file to any location of your choice in your repository folder (i.e., a Module2 folder)
Check that git sees it via `git status`
If everything is good, continue to submit
    Track the file(s) via `git add`
    Commit the changes via `git commit` (don't forget the commit message)
    Push the changes to GitHub via `git push` (don't forget to refer to the proper branch)
    Create a pull request from the homework related branch to main (i.e., main <- "homework branch")
    Open and complete the merge of the pull request (it should turn purple)
    Locally checkout main and pull the latest changes (to prepare for future work)
Take the same output file and upload it to Canvas
    *This step is new since GitHub renders the PDF as an image the links aren't clickable so this method works better
    *Remember, the github process of these files are encouragement for your tracking of your progress
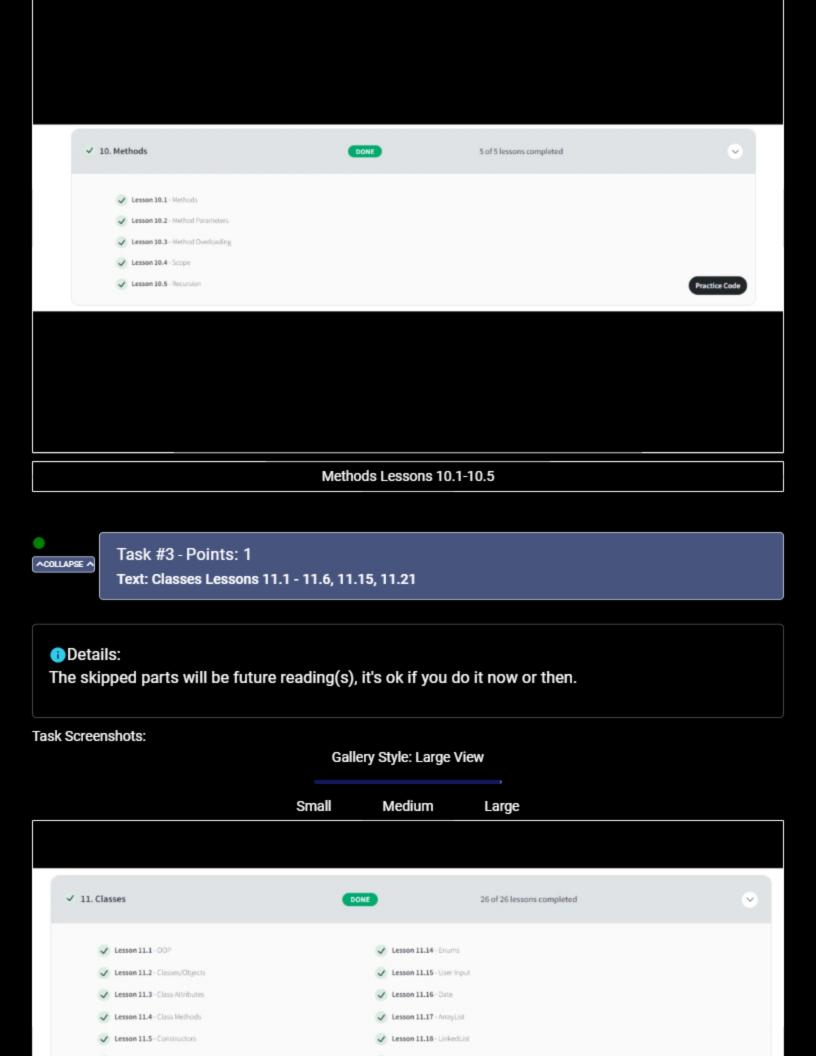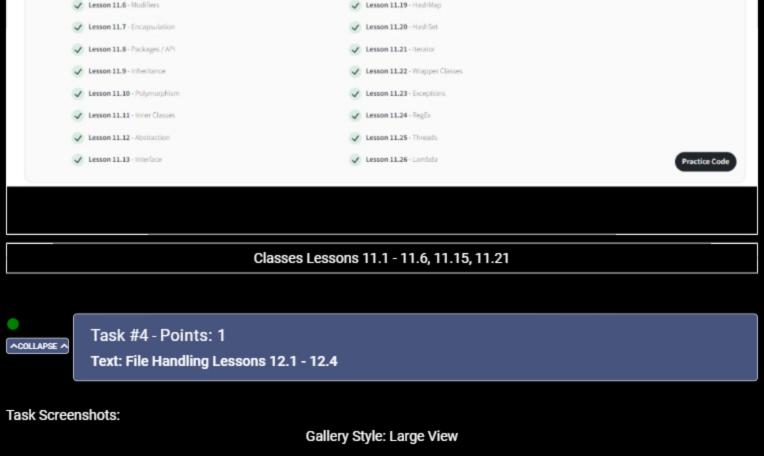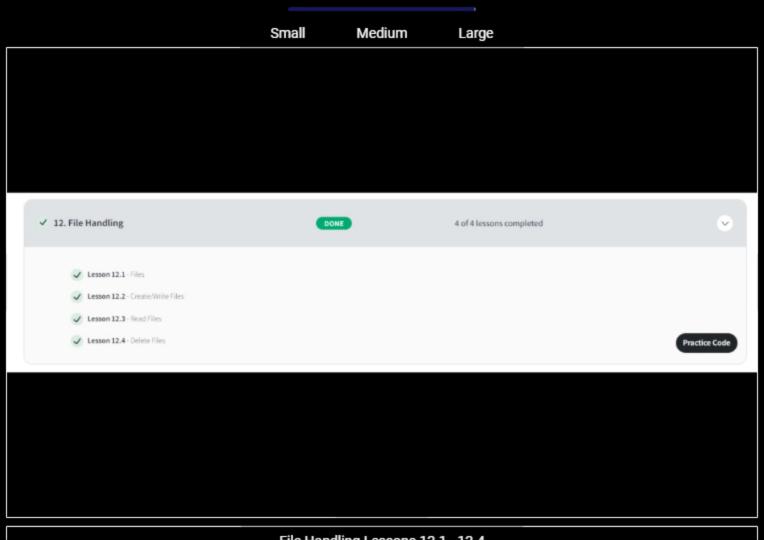
Branch name: M3-Java-Readings

Tasks: 5 Points: 10.00

● Learn Java Tutorial Part 2 (8 pts.)

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Task #1 - Points: 1
Text: Strings Lessons 5.1 - 5.4

Task Screenshots:

Gallery Style: Large View

Small   Medium   Large

✓ 5. Strings   DONE   4 of 4 lessons completed   ⌄

✓ Lesson 5.1 - Strings

✓ Lesson 5.2 - Concatenation

✓ Lesson 5.3 - Numbers and Strings

✓ Lesson 5.4 - Special Characters   Practice Code

Strings Lessons 5.1 - 5.4

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Task #2 - Points: 1
Text: Methods Lessons 10.1-10.5

Task Screenshots:

Gallery Style: Large View

Small   Medium   Large

✓ 10. Methods	DONE	5 of 5 lessons completed	⌄

✓ **Lesson 10.1** - Methods

✓ **Lesson 10.2** - Method Parameters

✓ **Lesson 10.3** - Method Overloading

✓ **Lesson 10.4** - Scope

✓ **Lesson 10.5** - Recursion

Practice Code

Methods Lessons 10.1-10.5

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Task #3 - Points: 1

Text: Classes Lessons 11.1 - 11.6, 11.15, 11.21

ℹ **Details:**
The skipped parts will be future reading(s), it's ok if you do it now or then.

Task Screenshots:

Gallery Style: Large View

Small   Medium   Large

✓ 11. Classes	DONE	26 of 26 lessons completed	⌄

✓ **Lesson 11.1** - OOP

✓ **Lesson 11.2** - Classes/Objects

✓ **Lesson 11.3** - Class Attributes

✓ **Lesson 11.4** - Class Methods

✓ **Lesson 11.5** - Constructors

✓ **Lesson 11.14** - Enums

✓ **Lesson 11.15** - User Input

✓ **Lesson 11.16** - Date

✓ **Lesson 11.17** - ArrayList

✓ **Lesson 11.18** - LinkedList

✓ **Lesson 11.6** - Modifiers	✓ **Lesson 11.19** - HashMap
✓ **Lesson 11.7** - Encapsulation	✓ **Lesson 11.20** - HashSet
✓ **Lesson 11.8** - Packages / API	✓ **Lesson 11.21** - Iterator
✓ **Lesson 11.9** - Inheritance	✓ **Lesson 11.22** - Wrapper Classes
✓ **Lesson 11.10** - Polymorphism	✓ **Lesson 11.23** - Exceptions
✓ **Lesson 11.11** - Inner Classes	✓ **Lesson 11.24** - RegEx
✓ **Lesson 11.12** - Abstraction	✓ **Lesson 11.25** - Threads
✓ **Lesson 11.13** - Interface	✓ **Lesson 11.26** - Lambda

Practice Code

Classes Lessons 11.1 - 11.6, 11.15, 11.21

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Task #4 - Points: 1

Text: File Handling Lessons 12.1 - 12.4

Task Screenshots:

Gallery Style: Large View

Small   Medium   Large

✓ 12. File Handling	DONE	4 of 4 lessons completed	⌄

✓ **Lesson 12.1** - Files

✓ **Lesson 12.2** - Create/Write Files

✓ **Lesson 12.3** - Read Files

✓ **Lesson 12.4** - Delete Files

Practice Code

File Handling Lessons 12.1 - 12.4

● Reflection (2 pts.)

Task #1 - Points: 1

Text: Reflect on the topics and refer to the checklist of this task

Checklist

*The checkboxes are for your own tracking

#	Points	Details
☐ #1	1	Mention specifics of what concepts/topics were totally new to you.
☐ #2	1	Mention specifics of what concepts/topics you already knew.
☐ #3	1	Mention specifics of any topics you still don't feel confident about. If everything makes sense so far you can mention so.
☐ #4	1	At least a few reasonable sentences.

Response:

In the 5th chapter, focusing on Strings (Lessons 5.1 - 5.4), the course explained strings, concatenation, handling numbers within strings, and special characters. These lessons built a strong foundation for effective string handling in Java.

Chapter 10, covering Methods (Lessons 10.1 - 10.5), reinforced my understanding of function usage. The in-depth coverage of method parameters, overloading, scope, and recursion, enhanced my proficiency in writing modular and efficient code. Recursion was challenging, and I still need more practice to feel confident in implementing recursive functions efficiently.

Lessons 11.1 to 11.6 explained the fundamentals of classes, attributes, methods, constructors, and modifiers. Iterators were new to me. Practice is needed to gain confidence in applying these concepts in practical scenarios.

The 12th chapter, centered on File Handling (Lessons 12.1 - 12.4), expanded my knowledge of working with files in Java. The lessons covered creating, writing, reading, and deleting files, providing practical insights into file management within Java applications.

Overall, all these chapters have been comprehensive, reinforcing my existing knowledge while introducing challenging concepts that have enriched my understanding of Java programming.

End of Assignment