

Submission Worksheet

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<https://learn.ethereallab.app/assignment/IT114-004-S2024/it114-java-refresh-readings-part-2/grade/grg>

IT114-004-S2024 - [IT114] Java Refresh Readings Part 2

Submissions:

Submission Selection

1 Submission [active] 2/18/2024 3:42:14 PM

Instructions

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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

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

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

lessons 10.1-10.5

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Task #3 - Points: 1

Text: Classes Lessons 11.1 - 11.6, 11.15, 11.21

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

Practice Code

lessons 11.1-11.26

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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

lessons 12.1-12.4

Reflection (2 pts)

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

Response:

None of these topics were particularly new to me, while I may not have used some of them recently in Java, I am familiar with all of the concepts that were covered. There are some things that would be interesting to explore that I have done in Java in the past and do in other languages, such as custom wrapper classes and overloading – or potentially interesting optimizations leveraging Enums or Iterators (although its better to not fight the compiler, its well optimized for regular code... weird code that 'should be' faster often isn't).

End of Assignment