

Submission Worksheet

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<https://learn.ethereallab.app/assignment/IT114-006-S2024/it114-java-refresh-readings-part-2/grade/fj28>

IT114-006-S2024 - [IT114] Java Refresh Readings Part 2

Submissions:

Submission Selection

1 Submission [active] 2/18/2024 2:49:56 AM

Instructions

^ COLLAPSE ^

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

Guide:

1. Make sure you're in the main branch locally and ``git pull origin main`` any pending changes
2. Make a new branch per the recommended branch name below (`git checkout -b ...`)
3. Fill in the items in the worksheet below (save as often as necessary)
4. Once finished, export the worksheet
5. Add the output file to any location of your choice in your repository folder (i.e., a Module2 folder)
6. Check that git sees it via ``git status``
7. If everything is good, continue to submit
 1. Track the file(s) via ``git add``
 2. Commit the changes via ``git commit`` (don't forget the commit message)
 3. Push the changes to GitHub via ``git push`` (don't forget to refer to the proper branch)
 4. Create a pull request from the homework related branch to main (i.e., main <- "homework branch")
 5. Open and complete the merge of the pull request (it should turn purple)
 6. Locally checkout main and pull the latest changes (to prepare for future work)
8. Take the same output file and upload it to Canvas
 1. *This step is new since GitHub renders the PDF as an image the links aren't clickable so this method works better
 2. *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.)

^COLLAPSE ^



Task #1 - Points: 1

Text: Strings Lessons 5.1 - 5.4

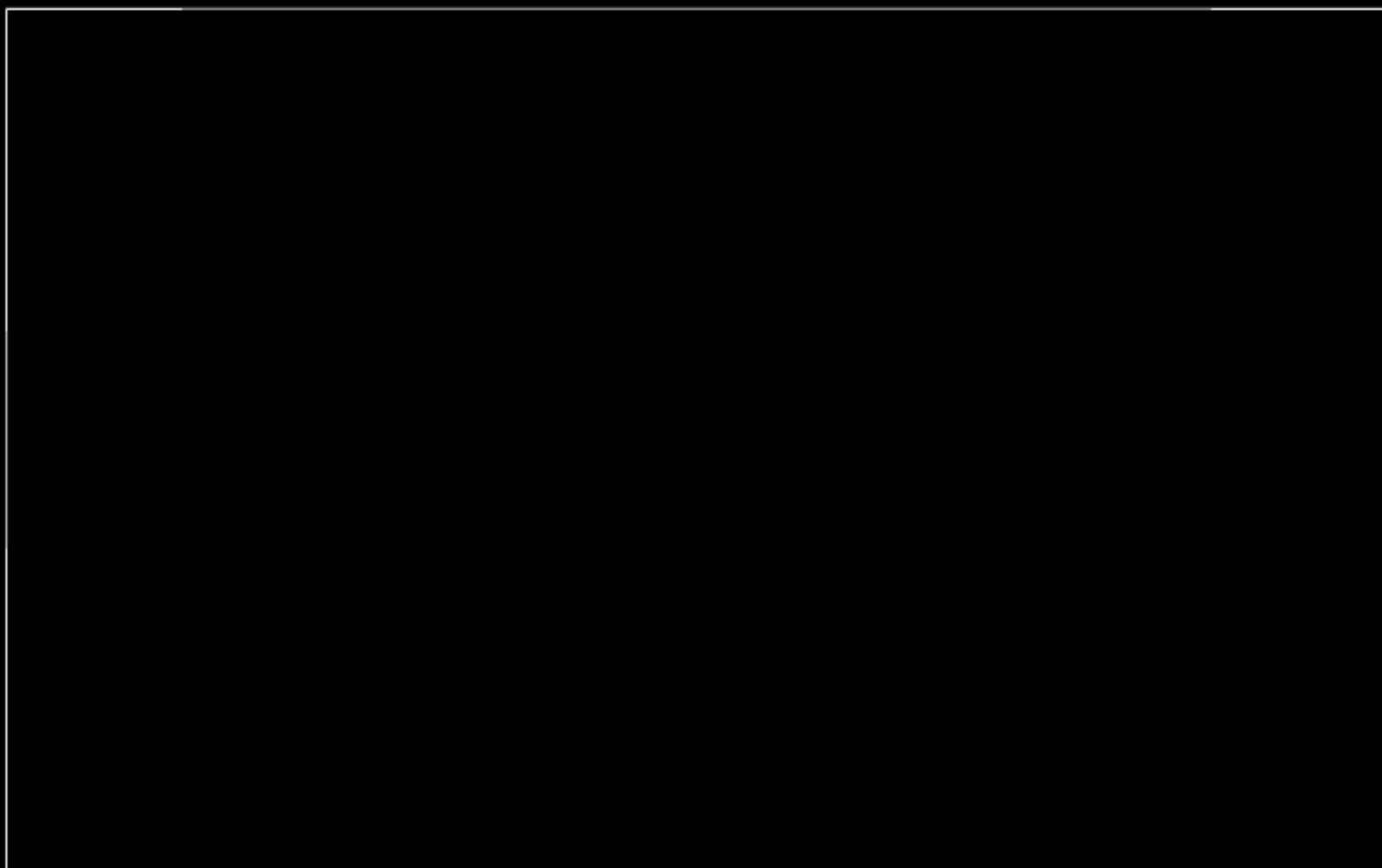
Task Screenshots:

Gallery Style: Large View

Small

Medium

Large



Strings Lessons 5.1 - 5.4



Task #2 - Points: 1

Text: Methods Lessons 10.1-10.5

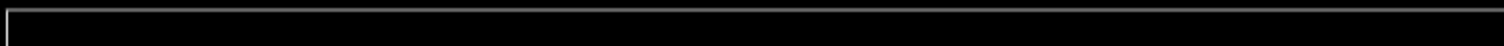
Task Screenshots:

Gallery Style: Large View

Small

Medium

Large



Methods Lessons 10.1-10.5

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

Classes Lessons 11.1 - 11.6, 11.15, 11.21

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
<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:

In the Strings lessons (5.1 - 5.4), I was already familiar with basic string manipulation but found the exploration of special characters to be quite insightful. Understanding how to handle special characters adds a new layer to string handling.

In the Methods lessons (10.1 - 10.5), I know basic method creation and parameters, but the concept of recursion was a bit challenging. While I grasp the idea, implementing recursive functions effectively is an area where I still need more practice.

For the Classes lessons (11.1 - 11.6, 11.15, 11.21), OOP principles, class attributes, and methods were already familiar concepts. However, the topics and the use of iterators were relatively new to me. I need to spend more time working with these concepts to improve my understanding.

In File Handling lessons (12.1 - 12.4), the basics of file creation and reading were already known, but digging into file deletion was a new aspect for me.

End of Assignment