

4.3 Starter Code

✓ 4.4 Project Structure





Your project could not be reviewed. Please resubmit after you address the issue noted below

Hello Learner, When I am running your code on my end, I am getting a

```
Kernel: 5.15.0-118-generic
Memory:
Total Processes: 4731
Running Processes: 3
Up Time: Segmentation fault (core dumped)
```

Since it is your first submission I would like to give you some insights on how to debug these kinds of errors so that you learn more and more.

Here are some resources with similar issues: A segmentation fault or core dumped usually occurs when your program tries to access memory that it's not allowed to access, or tries to. This can be caused by:

- 1. trying to dereference a null pointer (you're not allowed to access the memory address 0)
- 2. trying to dereference some other pointer that isn't in your memory
- 3. a C++ vtable pointer that got corrupted and is pointing to the wrong place, which causes the program to try to execute some memory that isn't executable
- 4. some other things that I don't understand like I think misaligned memory accesses can also segfault

Here are some resources to know more:

- 1. How to get a core dump for a segfault
- 2. <u>Debugging Segmentation Faults and Pointer Problems</u>
- 3. Core Dump (Segmentation fault) in C/C++

Also, check out this Knowledge Post How to debug the System Monitor project, I am sure you will find it useful while debugging.

For additional help, don't hesitate to post a question in Knowledge. We want to make sure you have all the support you need to work through these changes and finish the project!

Keep up the momentum and let's end this! 🏃

Resubmit Project

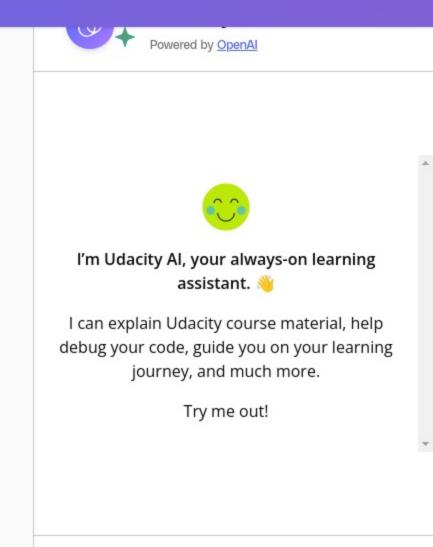
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