

## Large-Language Models Disclosure

*This document must be attached as the first page of any assignment you submit to this course.*

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What large language models did you use to help you complete this assignment? (ChatGPT, Bard, etc.)

- ChatGPT

Please provide the 5 prompts you found most useful for solving this assignment:

### Prompt 1:

```
what is the ? in this code doing: System.out.print("Enter the value of "  
+ (coordType == 'C'  
? (i == 1 ? "X " : "Y "  
: (i == 1 ? "Rho " : "Theta "))  
+ "using a decimal point(.): ");
```

Chat gpt works better given specific examples, sometimes I don't even know what I want explained to me, previous used prompts where "what does ? do in string forming in java?" the question I really wanted the answer to was not even about string formatting.

### Prompt 2:

```
PointCP2Test.java:61: error: cannot access PointCP2  
private static PointCP2 getInput() throws IOException  
    ^  
bad class file: .\PointCP2.class  
class file contains wrong class: design2.PointCP2  
Please remove or make sure it appears in the correct subdirectory of the classpath.  
1 error  
error: compilation failed
```

Tought me about packages and how to properly orgazize code in packages

**Prompt 3:** generate a csv file containing 1000 cartesian points in one column

Genereated python code which I used to create test cases for Part 1 of the assignment.

**Prompt 4:** generate java code that can iterate line by line a csv file

Produced java code which allowed me to iterate line by line a csv file. I implemented this code in Part 1.

**Prompt 5:** how to time stuff in milliseconds in java

Produced java code which I used in Part 1 to time the execution of multiple code blocks.

What limitations did you identify using LLM for this assignment?  
How did you overcome them?

ChatGPT works better given specific examples, sometimes I don't even know what I want explained to me. For example, before my first prompt, I asksed chatGPT "what does ? do in string formating in java?" when in end, the question I realy wanted the answer to was not even about string formatting. I overcame this by copy pasting the java error I was getting into the prompt. I did this for other errors I was getting and got much clearer explanations.

Through your experience with using LLM to help you solve this assignment, what have you learned? How did this experience enhance your skills/thought process for future challenges?

I learned that ChatGPT is very useful for producing simple code which helps you spend more time focusing on the main problem. Prompt 3 and 4 are both examples of this. Chat GPT also helps clarify errors you get and produces multiple possible ways to fix it. Although sometime it's explanations are only something to go off of when searching for a solution on the internet.

