Welcome to CS210 Discussion

A Quick intro before we get into it

About Me

- Senior CS Major
- Took this course Last Spring
- I enjoy music, video games, and the outdoors

Contact Info

Email: Kyle.hackett001@umb.edu

Post your Questions on Piazza, helps you and other students

Email me directly if your query is personal/private, absences etc. Questions about Projects, Tests, etc Should go on Piazza

What you'll need for this class

Nothing you don't already need for CS210

You should have a coding environment going by now

I suggest downloading the VM, and trying to set up the native setup

Practice and having enough time for the projects is important so if you don't have the native set up going soon I suggest using the VM

See me at the end if you are struggling with Native Setup AND your system does not have the resources to run a VM

Resources

- SI Sessions, Office Hours, Discussion, Piazza
- Class Slides : https://github.com/kylehackett99/CS210-Discussions
- Class Recordings: Link on Piazza.
- Java Brushup
  - www.Sololearn.com
  - https://web.stanford.edu/class/archive/cs/cs108/cs108.1082/JavaBasicRefresher.pdf

What we will go over

- Project Report/Guidelines
- Project Exercises
- Followed by Project review
- If you have 2 weeks for the project it'll be week 1: Exercises, week 2: project review
- Week before test we will dedicate time to review

Project Guidelines (The Big Stuff)

- Have it in by due date or lose credit (Obviously)
- Reports should follow report guideline document specifications
  https://www.swamiiyer.net/cs210/report_guidelines.pdf
  - Formal Paragraph Structuring (intro, main point, supporting evidence, conclusion)
  - For Approach section give me your thought process for tackling each problem
  - Issues and Resolution is most important part, talk about issues you had and issues you solved. More importantly, issues that you tried to solve and why you could not figure it out.
- Project Comments - Both Best Practice AND Beneficial for you, Comments get you free points. Just tell me what your goal is for a method and what its doing (Notes where you have issues will also help me know what to go over more of during exam reviews)

More Free Points - Checkstyle

```
PS C:\Users\Kyle\Documents\2021 Fall\CS210 - TA\Assessments\cs210_assessments\projec
t1> check_style .\src\GreatCircle.java
.\src\GreatCircle.java:
Starting audit...
[WARN] Documents\2021 Fall\CS210 - TA\Assessments\cs210_assessments\project1\src\Gre
atCircle.java:1:8: Unused import statement for 'stdlib.StdOut'. [UnusedImports]
Audit done.
PS C:\Users\Kyle\Documents\2021 Fall\CS210 - TA\Assessments\cs210_assessments\projec
t1>
```

Project 1 Exercises

1. Great Circle Distance
2. Counting Primes
3. Euclidean Distance
4. Matrix Transpose
5. Data Type for Rational Numbers
6. Nth Harmonic Number as a Rational