CS 113 – Computer Science I

Lecture 0 – Course Introduction

Adam Poliak
08/30/2022
Agenda

• Introduction
  • Algorithms & Programming
• Administrative/logistics
• Hello World
• Terminal & the command line
• Basic output
What is Computer Science?
Computer Science in this course

• Break down problems into solvable components

• Learn how to instruct and command a computer to solve a complex problem
Algorithms ! = Programs

• Programs: implementation of algorithm that a computer understands
  • Unambiguous
  • Expressive
    • Communicate a lot of ideas

• Semester goals:
  • cover primary types of instructions
  • Combine & organize instructions to develop complex programs
  • In Java
    • But ideas go beyond one single programming language
Logistics
• Course webpage:
  • https://brynmawr-cs113-f22.github.io/website/

• Attendance sheet:
  • https://azpoliak.github.io/cs113_attendance.html
  • Just for first few lectures to deal with enrollment

• Dropbox:
  • Submitting assignments on dropbox

• Slack:
  • Course communication
  • Useful links will be posted there
Assignments

Learning by doing!

• Homeworks
• Labs
• Final Exam
Course Staff
Prof. Aline Normoyle

• 3rd year at BMC, taught CS113 multiple times before
• Lectures Monday & Wednesday (Section 1)
• Lab Wednesday
• Office Hours: Wednesday 4-5pm (Park 220B)
• Research:
  • Video games
  • Analysis of motion
  • Character animation
Prof. Adam Poliak

- 1st year at BMC, spent last 2 years at Barnard
- Lectures Tuesday & Thursday (Section 2)
- Lab Tuesday & Thursday
- Office Hours: Wednesday 10-11am (Park 220C)
- Research:
  - Natural Language Processing
  - Computational Text Analysis
  - Data Science
Abhi Suresh

• TLI Student Consultant

• BMC Junior, majoring in math

• Email: asuresh at brynmawr dot edu
Teaching Assistants

• Office hours: Sunday – Thursday 6-10 PM EST (Park 231)

• All of them have taken CS 113, and other CS courses
Our job is to help you succeed!
Compiling

- Converting java file (.java) to a file that the computer understands (.class, this is called a binary file)

```
javac filename.java
```

- Compiler is your friend, will tell you when there are errors
Running

java filename

- Don’t include the *.class