Lecture 1 – Input, Data Types, Variables

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09/01/2022
Announcements

• Assignment 00

• Office hours:
  • TA: Sunday – Thursday 6-10pm (Park 231)
  • Prof Poliak – Wednesday 10-11am (Park 220C)
  • Prof Normoyle – Wednesday 4-5pm (Park 200B)

• Attendance sheet: https://azpoliak.github.io/cs113_attendance.html
Agenda

• Announcements
• Recap
• Folders and Directories
• Interacting with a program
• Data Types & Variables
Recap

• Print a message to output
  `System.out.println("Hello World!");`

• Terminal commands
  • `ls`
  • `cd`
  • `pwd`
  • `javac`
  • `java`
Folders & Directories

• Open folder from VSCode

• Organizing programs in directories

• special directories:
  • .. (double dot) - parent directory
Command line arguments

• Way to communicate to our program by passing data to our program
Paired exercise

• Write a program called FavoriteFood

• Program should ask the user what their favorite food is.
• Program should print out what the user’s favorite food is.
Data Types

• Way to store information in programs

• **int**: whole numbers

• **double**: numbers with decimal points

• **String**: anything between quotations
Variables - Holders for values

• **String greeting;**
  - Creates a variable called “greeting” that can store a string

• **int a, b, c;**
  - Creates 3 variables that can store integers

• **a = 3;**
  - Assignment statement

• **int d = 10;**
  - Declaration & Assignment statement
    - Best Practice!