



COMP 150: MT III Review Week 15, Lecture 22



Midterm III: Format

- Same as Midterm II
- Friday, In-Class
- Written portion:
 - Arrive and pack away belongings
 - Three written questions (10-15 minutes), **closed world**
 - No deep details, but any discussion is an option
- Practical portion:
 - Three practical problems (25-30 minutes), **open internet, no AI**
 - Variables
 - Loops/conditionals
 - Data read-in (CSVs)
 - Pandas, Plotly
 - Functions

Midterm III: Written Examples

- What is a conditional statement and when would we use one?
- What is a for loop and when would we use one?
- What is the difference between a for and a while loop?
- Give an example of a type of cyber attack, and describe roughly how it works.
- How is cyber security enforced?
- Describe the differences between mainframe computers, PCs, and supercomputers.
- What is the transistor? What is its role in modern computing? What did it replace?

Midterm III: Practical

- Anything from prior labs is on the table
 - To study, go through each lab and re-work it from scratch - should take approx. an hour
- Open-world (including your own labs and midterms), just closed-neighbors
- Do not use AI.
 - Easy to tell!
 - If AI use is detected, you will receive a zero on both portions of the midterm