



# CS 1112: Introduction To Programming

## Python Turtles (III)

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# Friendly Reminders

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- Your **safety** and **comfort** is important!
  - If you choose to wear a mask you are welcome to do so
  - *We will interpret wearing a mask as being considerate and caring of others in the classroom (not that you are sick), and realize that some may choose to mask to remain distanced*
- Be an **active** participant in your learning!  
You're welcome and **encouraged** to ask questions during class!
- If you feel **unwell**, or think you are, **please stay home**
  - *We will work with you!*
  - Get some rest 😊
  - View the recorded lectures – *please allow 24-48 hours to post*
  - *Contact us!*



# Announcements

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- **Quiz 1**
  - *Grading is done! You all did well 😊*
    - Median: 11
    - Mean: 10.45
    - St. Dev. 1.62
  - Stop by my office if you'd like to talk about the quiz
- **Programming Assignment 01 (PA01)** has been released
  - It is **due by 11:00pm on Wednesday**

# Prof & TA Office Hour Calendar

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- Click on the link on Canvas to view when office hours are being held (both: myself and TAs)
  - **“Office Hour Calendar”**

# TA Office Hour Queue Tool

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1. Click on “**TA Office Hour Queue Tool**” link on Canvas. You will be logged in via your UVa NetBadge credentials
2. Select your **course (CS 1112)** (*if you see other courses listed there, be sure you don't click there!*)

Please select your course below.

Select course...

▼

Select Course

# TA Office Hour Queue Tool

3. Fill in the **details** before joining the queue
  - We strive to find ways to make the office hour experience better. To help, kindly fill out a short survey after each of your office hour sessions with a TA, by clicking on the “Complete Survey” button.  
*Thanks for helping us improve office hours!*

Issue subject

Enter subject here

Please explain your issue in a few sentences before joining the queue.

Enter your issue here

Where can the TA find you?

Enter location here

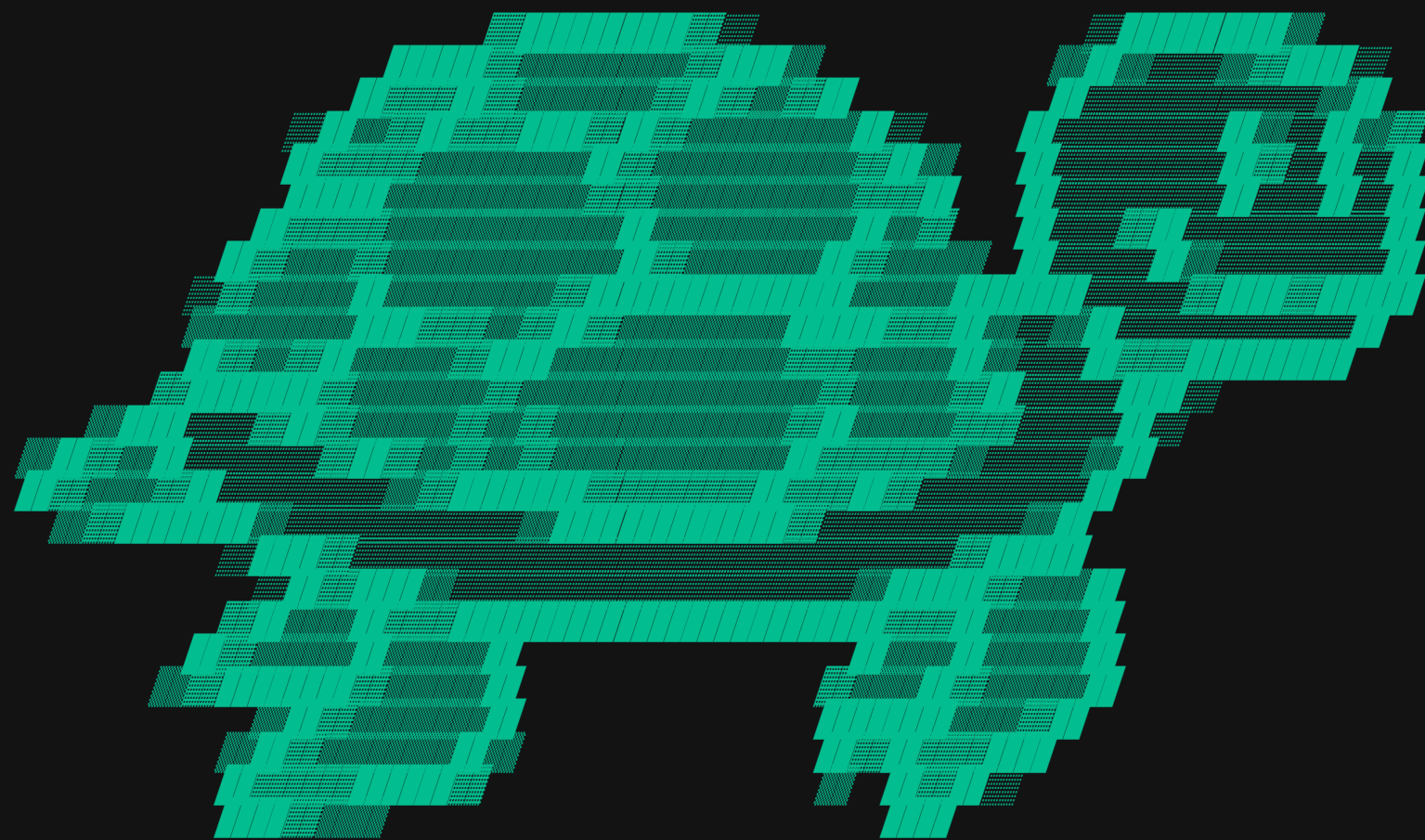
☒ I would like to be placed in a group (this might decrease your wait time)

Join queue

Forgot to fill out the survey from last time? Click here to go back and fill it out!



Complete Survey



## TODAY's Agenda:

- Review of Turtles
- Turtle Race!
- Review of Previous Topics / Q&A
- Work on HW

# Python files

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- `more_turtle_functions.py`
  - **Objective:** Practice reading code
    1. **Pair up** (try to find somebody you haven't spoken to before)
    2. **Review** the code together
    3. **Explain** the code to one another and **predict** what the output is BEFORE running the code
    4. **Run** the code to confirm
    5. If your predictions didn't **match** what you observed, try to figure out why or ask a TA
- `Turtle_race.py`
  - **A bit of fun:** Who's going to *win*? 😊
- `Turtle_polygons_with_method.py`
  - **Objective:** Practice reading code, observe the use of a `function` in this code





# PYTHON DEMONSTRATION

Let's jump on PyCharm!

# Let's Use the Remainder of the Time for Review and Q&A

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- Let's look back at what we've learned so far...
- How might you quantify the amount you have learned since the first day of class?
- What topic was the hardest to grasp so far?
- Let's review topics and open Q&A
- Also, we can leave some time at the end for you to work on the **Turtle Drawing homework**

# Reminder: CS Laptop Loaner Program

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- This course requires students to have a **laptop**
- I realize that not everybody might have one (nor necessarily need one for their desired major / path...)
- If you do not have a laptop for any reason... *not to worry!*
- The CS department's Systems staff has a notebook / laptop loaner program and will be able to loan you a notebook / laptop computer for the duration of the semester if you don't have one or if you cannot afford one.
  - Also available if your laptop is broken and under repair, we can arrange for you to receive a loaner laptop for a week or two until your own laptop is fixed

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Interested? Link: [https://www.cs.virginia.edu/wiki/doku.php?id=cs\\_laptop\\_loaner](https://www.cs.virginia.edu/wiki/doku.php?id=cs_laptop_loaner)

*I am happy to be your sponsor. Please let me know.*

# Reminder: Tools: Piazza

- We will use **Piazza** in the following way:
  - Website: <https://piazza.com/> [Linked through **Canvas**]
  - Piazza is a great tool for asking questions about **course content**, **policies**, or getting help on **homework** assignments
  - While you are waiting for an answer, see if there's an answer you can provide to someone else's question. We're all in this together! **CS is a team sport!** 😊
  - TAs will monitor and answer questions throughout the semester
  - Not a means to help you debug your code! (See more below)

It is very important to remember the following:

- **Do not post complete or partial code solutions (for Homework)** on Piazza when seeking answers to your question unless it is in a **PRIVATE** post
- **Do not post complete or partial quiz solutions (code or short-answer)** when seeking answers to your question unless it is in a **PRIVATE** post

# Reminder: Tools: Gradescope

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- We will use **Gradescope** in the following way:
  - Website: <https://www.gradescope.com/>
  - Linked through **Canvas**
  - **Homework assignments** will be **submitted**
    - Most programming assignments are autograded (some are manually graded)
    - Some aspects of programming assignments may be manually graded