

CSCI 77800: Ethics and Computer Science

ASync/HW for Week #2 – 9/5/2024

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Administrative

1. As usual, it is to your benefit to review all of the content from the SYNC session. This includes optional readings and resources that you find. Be sure that you truly understand the topic. Don't hesitate to send questions or terms to be reviewed to Edgar et3076@hunter.cuny.edu.
2. ASync6 asks you to attend an event with Algorithmic Ethical Implications. See **Blackboard** → **ASync Discussions and Events** → **ASync6**. While an event is suggested, it would be a good idea for you to start planning for what event you might use for that session.

ASync

1. **ASync2** has you watch and respond to a documentary on Network Neutrality. The documentary should be 1.5+ hours. The balance of time for the discussion development counts toward this week's HW time (not HW grade).
 - a. This is assigned in **"ASync Discussions and Events"** → **"ASync2 – Net Neutrality Documentary"**.
 - b. This is completed in "Discussion Boards" → **"ASync2 – Net Neutrality Documentary"**.
 - c. Based on student response, I'm providing you with the ability to choose the documentary.
 - d. If you have trouble finding a suitable documentary, one is suggested on Blackboard. You may also combine two shorter documentaries so long as the total run time of the two is 1.5+ hours.

HW – Read/Watch

1. Watch the two other **"EthiCS (ASync Wk 1)"** videos. (You obviously do not have to watch your own video.) You may find the link here: <https://docs.google.com/spreadsheets/d/1RYvNlVCY4vs380xjw2AskfFjlgzQLJ4Ai3emDtzikw4/edit?usp=sharing>.
2. More background on the discussions we've had about the Internet:
 - a. History of the Internet: <https://www.vox.com/a/internet-maps>
 - b. White House announces safer Internet routing: <https://www.govtech.com/security/white-house-releases-plans-for-safer-internet-routing> (September 4, 2024)
 - c. Peruse the Submarine Cable website in more detail: <https://submarine-cable-map-2024.telegeography.com/>. Quickly peruse the "Americas" map: https://submarine-cable-map-2024.telegeography.com/images/Submarine_Cable_Map_2024_Americas-1664f16dc4b9890e7cddf429a999e65f.jpg. You may also do a deep dive into other

regions of the world: https://submarine-cable-map-2024.telegeography.com/images/Submarine_Cable_Map_2024_Global-eecc19b91a550daad0022ed71a11b951.jpg.

3. The Downey/Think Python text can be found here:
<https://allendowney.github.io/ThinkPython/>
 - a. Chapter 4 (Functions/Interfaces):
<https://allendowney.github.io/ThinkPython/chap04.html>.

HW – Do

1. Respond to the ASYNC1 videos that you watched. (This is in addition to the discussion forums on Net Neutrality.) Develop a 250+ word response (total, inclusive of both videos). Respond to three peers with 100+ word response. Be sure to post this in the HW2 forum.
Be considerate of your peers – think of developing your first post early in the week.
2. Complete the **P6: Python Practice (Overtime)** exercises from the Wk 1 SYNC lecture notes. This includes:
 - a. Exercise 1a, 1b, 2, 3 (including revision), 4, 5 and 6 – 7 problems.
 - b. Complete all answers in a single Jupyter notebook. Submit a PDF of the notebook showing the 7 code segments and the proper outputs.
3. Downey Chapter 4 (Section 4.11 – Exercises): 4.11.1 (rectangle), 4.12 (rhombus), 4.12.1 (parallelogram), 4.12.2 (triangle), 4.12.3 (arc), 4.12.4 (ask the digital assistant – provide prompt/response).
 - a. Please remember that Github Copilot is available with the Github Educational package and can be accessed on their website or as a plug-in to VSCode.

HW3 – Preview

1. This information is provided should you wish to get a head start on part of HW3. Please do not submit this with HW2.
2. **FOR HW 3 / NOT THIS WEEK:** Chapter 5 (Conditionals/Recursion):
<https://allendowney.github.io/ThinkPython/chap05.html>.
3. **FOR HW 3 / NOT THIS WEEK:** Downey Chapter 5 (5.14.1 – virtual assistant), 5.14.2 (time), 5.14.3 (is_triangle), 5.14.4 (stack) – you can check yourself with tools previously linked, 5.14.5 (jupyter), 5.14.6 (Koch curve), 5.14.7.