Assignments

Assignments will be done in Jupyter Notebooks. They will be released and submitted on datahub.

Assignment Schedule

The schedule for assignments is as follows:

	Name	Topics	% of Grade	Released	Due Date
A1	Getting Started	Variables, Operators & Conditionals	10%	Fri 19/4	Fri 10/18 (11:59 PM)
A2	Ciphers	Collections, Loops & Encodings	10%	Fri 10/18	Fri 10/25 (11:59 PM)
A3	Chatbots	Functions & Algorithms	10%	Fri 10/25	Fri 10/30 (11:59 PM)
A4	Artificial Agents	Methods, Classes & Objects	10%	Fri 10/30	Fri 11/15 (11:59 PM)

Assignments are cumulative - previously covered topics may also appear in a future assignment.

Late Submissions

You may submit late assignments, up until assignment solutions are posted (~1 week after the due date), but for 75% credit.

Using Jupyter Notebooks for Class Assignments

We will be using a system that allows for automatically grading notebook submissions.

Notebooks will be released with step-by-step instructions on what code to enter.

Follow these instructions for working with these notebooks:

- Whenever you see '# YOUR CODE HERE', replace it with code to answer the question
- Make sure to remove the 'raise' line, or the notebook will raise an error
- Do not edit or delete and cells that have 'assert' lines in them
    - These lines are used to check your code
    - If they are edited, this gets flagged, and they get reset to the original versions before grading
- You can add new cells, and write extra code, as long as you follow what is written above
- Make sure to execute all code that you write.
- If you get an 'AssertionError' from a test cell, your answer is not correct
- Your grade is partly graded on the public tests (the 'asserts' that you see) and partly on a hidden set of tests (extra 'asserts' that get added during grading)
- This means that passing all the assert you see does not guarantee correctness
- Make sure to check out code and its outputs, that it does what it is supposed to

Questions About Assignments

To ask questions for clarification and guidance when doing the assignment

Please ask all questions on Piazza and/or in office hours.

A note on posting code on Piazza: When asking or answering questions on Piazza, do not post large segments of code that entirely answer questions. If you want to post larger segments of code, do so in a private post. Please follow the full guidelines for using Piazza, which are posted on Piazza itself.

To ask about an extension

If you need to ask for an extension, please email the instructor directly.

To ask questions about grades

If you have a question about a grade, post to Piazza and address to 'Instructors'

Questions about grades include asking where you lost points, clarifying why you lost points, and asking about potential regrades (overall, or for particular questions). Please first check the information and guidelines below first. Note that because assignments are programmatically graded on a particular computer, course staff in office hours will not have immediate access to your particular submission, and where you lost points. These questions do therefore need to be directed to Piazza.

Grades

Grades will be released on Canvas about a week after the submission date. It is your responsibility to check your posted grades - please do so.

Assignment Solutions

After grading is complete, we will also release the assignment solutions. These solutions include how we solved these questions, and include the full set of tests (asserts) that were used for grading. Note that there may be multiple possible solutions to a given problem, and variations may receive full credit, provided they pass the test criteria that are specified in the question set up, so you do not need to answer a question in the same way we did.

When solutions are posted, please use them to compare to your submitted assignment, to see where you may have lost points.

Regrades

After checking the solutions, if you think there is a mistake or ambiguity (for example, your different solution meets the question specifications, but fails on an unexpected test) get in touch, and we'll look into it.

Note that assignments are programmatically graded, using an automated system. It is possible that this grading goes wrong, if a submission doesn't follow the assignment format guidelines, or for other idiosyncratic reasons - which may be what happened if you receive a very different grade than you expected. If there is an issue, we can fix it - but you have to let us know.

All regrade related questions must be posted within 72 hours of receipt of the grade.