

Marking Rubric for Assignment 1

This document has two pages. Please refer both pages.

There would be 6 Questions in total. Question 1 to 5 will be programming questions. Question 6 will be a written question.

	Q1	Q2	Q3	Q4	Q5	Q6
Released	Week2	Week3	Week3	Week4	Week4	Week4
Marks	10	15	15	20	20	20

- If your program has syntax errors, or your code is not runnable, you will not receive any marks. (Please make sure that your program is syntactically correct)
- If your output is correct (matched against multiple test cases), you get 100% of the allocated marks for Q1 to Q5.
- You do not need to implement your own data-structures and algorithms and can opt to use built-in python ones. However, if your program does not pass all the test cases, we will check your code according to the following criteria for partial marks. Only self-implemented data structures and algorithms will qualify for partial marks for implementation.

For Q1 to Q5:

Task	Marks (/80)
Logical flow of the code is coherent	10%
Implementation of relevant data structures	15%
Implementation of relevant algorithms	15%
For partial correctness (against test cases)	35%
Proper comments	5%

The marks breakdown for Q6 is as follows:

Task	Marks (/20)
Correctness of the explanation	10%
Clarity of the explanation	10%

- Please make sure you read input from / write output to text files with the correct names, exactly as they are given, as part of the grading would be automated.
- Please make sure there is one source file (*.py or *.ipynb file) for each question 1, 2, 3, 4, 5. Name your source files as “q<question_number>.py”.

Eg: q1.py, q2.ipynb etc. For question 6, create a single PDF named q6.pdf. Please place all your *.py / *.ipynb files and q6.pdf file in a single directory. Zip the directory as <first_name>_<last_name>.zip and upload to Canvas.

- We will test your program against multiple test cases. It is your responsibility to make sure your code functions properly for all possible scenarios.
- Please ask questions regarding the Assignment 1 on the Ed Discussion board.