Assignment No. 6 Rubric

EECS 210 – Discrete Structures

Due: 11:59 PM, Thursday, April 4, 2024

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# Point Breakdown

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| ***Graded Value*** | ***Points Possible*** | ***Criteria*** |
|  | 0 | Your assignment will receive a zero and not be graded unless the following are submitted:   * Name of the zip file: FirstnameLastname\_Assignment6 (with your first and last name). Files in other formats (e.g., .tar will not be graded). * Name of the Assignment folder within the zip file: FirstnameLastname\_Assignment6 * Copy of Rubric 6.docx. * Source code for Assignment 6.   Screen print showing the successful execution of your code or copy and paste the output from a console screen to a Word document and PDF it. |
|  | 5 | Output for 1a is correct and was calculated using the Euclidean Algorithm. |
|  | 5 | Output for 1b is correct and was calculated using the Euclidean Algorithm. |
|  | 5 | Output for 1c is correct and was calculated using the Euclidean Algorithm. |
|  | 5 | Output for 1d is correct and was calculated using the Euclidean Algorithm. |
|  | 5 | Output for 1e is correct and was calculated using the Euclidean Algorithm. |
|  | 5 | Output for 2a is correct and was calculated using the Euclidean Algorithm. |
|  | 5 | Output for 2b is correct and was calculated using the Euclidean Algorithm. |
|  | 5 | Output for 2c is correct and was calculated using the Euclidean Algorithm. |
|  | 5 | Output for 2d is correct and was calculated using the Euclidean Algorithm. |
|  | 5 | Output for 2e is correct and was calculated using the Euclidean Algorithm. |
|  | 5 | Output for 3a is correct and was calculated using the extended Euclidean Algorithm. |
|  | 5 | Output for 3b is correct and was calculated using the extended Euclidean Algorithm. |
|  | 5 | Output for 3c is correct and was calculated using the extended Euclidean Algorithm. |
|  | 5 | Output for 3d is correct and was calculated using the extended Euclidean Algorithm. |
|  | 5 | Output for 3e is correct and was calculated using the extended Euclidean Algorithm. |
|  | 25 | Code is adequately commented\*. |
|  | **100 pts** |  |

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| --- | --- | --- |
| **Rubric for Program Comments\*** | | |
| **Exceeds Expectations**  **(90-100%)** | **Meets Expectations**  **(80-89%)** | **Unsatisfactory**  **(0-79%)** |
| Software is adequately commented with prologue comments, comments summarizing major blocks of code, and comments on every line. | Prologue comments are present but missing some items or some major blocks of code are not commented or there are inadequate comments on each line. | Prologue comments are missing all together or there are no comments on major blocks of code or there are very few comments on each line. |

Adequate Prologue Comments:

* Name of program contained in the file (e.g., EECS 210 Assignment 3)
* Brief description of the program, e.g.:
  + Python code for demonstrating operations on relations and properties of relations.
* Inputs (e.g., none, for a function, it would be the parameters passed to it)
* Output, e.g.,
  + Print out of the name of each exercise, followed by the exercise’s output.
* All collaborators
* Other sources for the code ChatGPT, stackOverflow, etc.
* Author’s full name
* Creation date: The date you first create the file, i.e., the date you write this comment

Adequate comments summarizing major blocks of code and comments on every line:

* Provide comments that explain what each line of code is doing.
* You may comment each line of code (e.g., using //) and/or provide a multi-line comment (e.g., using /\* and \*/) that explains what a group of lines does.
* Multi-line comments should be detailed enough that it is clear what each line of code is doing.
* Each block of code must indicate whether you authored the code, you obtained it from one of the sources listed in the prolog, or one of your collaborators authored the code, or if it was a combination of all of these.

Collaboration and other sources for code:

* When you collaborate with other students or use other sources for the code (e.g., ChatGPT, stackOverflow):
  + Your comments must be significantly different from your collaborators.
  + More scrutiny will be applied to grading your comments in particular explaining the code “in your own words”, not the source’s comments (e.g., ChatGPT’s comments).
* Failure to identify collaborators or other sources of code will not only result in a 0 on the assignment but will be considered an act of Academic Misconduct.
* Students who violate conduct policies will be subject to severe penalties, up through and including dismissal from the School of Engineering.

# Grader Comments: