

Marking Sheet of Assignment 1 of BCPR301

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You MUST supply (i.e., **ZERO** mark if not):

- 1 A class diagram of your proposed program. And
- 2 A help file details for your line-oriented command interpreter and these must be approved by the lecturer before you start the coding for this assessment. And
- 3 Your program must be able to do all the tasks mentioned in the section of Problem domain. Please note that here displaying data does not mean simply outputting the data as a 2D table. And
- 4 Your code MUST comply with the Python style (i.e., being able to pass PEP8 check). And
- 5 A document to list (for each component claimed for marks in your program): a) the ownership (i.e., done by you or someone else?); b) self-reflection on robustness¹; and c) self-reflection on the completeness and implementation. And
- 6 You must carry out version control in a repository during your development process. And
- 7 A filled self-marking sheet.

Your Repository Link:

<https://github.com/NicholasWalter/BCPR301Assignment1>, folders "01_Documentation" and "02_Implementation"

Marking guide (max 15 marks in total):

Components	Used by one peer (0.5 mark)	Robustness (0.5 mark)	Complete and well implemented, i.e., "What is clever about this?" (0.5 mark)	Marks
Support command-line arguments		0.5	0.5	1
Has a line-oriented		0.5		0.5

¹ **Robustness.** The degree to which a system continues to function in the presence of invalid inputs or stressful environmental conditions.

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command interpreter based on cmd				
Display command line help of available commands		0.5		0.5
Change options		0.5	0.5	1
Validate your selections		0.5	0.5	1
Provides object-persistence / object serialization using either pickle or shelve		0.5	0.5	1
Load data from a file		0.5	0.5	1
Raises exceptions and provides exception handling		0.5		0.5
Amount of error trapping & handling		0.5		0.5
Provide doctests		0.5		0.5
Provide unittests		0.5		0.5
Breadth of test coverage		0.5		0.5
Can deal with directories and file locations		0.5	0.5	1
Pretty print, i.e., displaying data in bar chart, pie chart, etc.		0.5	0.5	1
Can save and read data from a database		0.5	0.5	1
Total				11.5