

**Ateneo de Manila University**  
**Department of Quantitative Methods and Information Technology**

**Certificate of Authorship**

**Instructions**

- Accomplish the document completely
  - Save the document as a .pdf file with the following name format:  
<IDNumber>\_<RequirementTitle>\_COA (e.g. 12345\_Assignment1\_COA)
  - Attach this document to each course requirement submission unless otherwise specified by the Course Instructor
- 

**Certification**

I hereby certify that the submission described in this document abides by the principles stipulated in the student handbook.

I further certify that I am the author of this submission and that any assistance I received in its preparation is fully acknowledged and disclosed in the documentation.

I have also cited all sources from which I obtained data, ideas, or words that are directly copied or paraphrased in this document. Sources are properly credited according to accepted standards for professional publication.

I am aware that any potential case of plagiarism or cheating (similar code) regarding my submission merits a 0 for the requirement and a disciplinary case filed to the Discipline Committee of the Loyola Schools.


**Sources**

*Problem 1-Factorial:*

[https://www.w3schools.com/python/python\\_for\\_loops.asp](https://www.w3schools.com/python/python_for_loops.asp)

<https://www.javatpoint.com/pyhton-factorial-number>

**Student and Course Information**

<b>Course Code &amp; Section</b>	ITMGT 45-A
<b>Course Instructor</b>	Joseph Benjamin M G R. Ilagan Jose Ramon S. Ilagan Marianne Kayle H. Amurao
<b>Student's Full Name</b>	Isabela Gabrielle J. Palarca
<b>Signature</b>	

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<https://www.youtube.com/watch?v=MchElD87Uw>

*Problem 2-Guessing Game*

<https://djangocentral.com/creating-a-guessing-game-in-python/>

<https://stackoverflow.com/questions/54730199/while-loop-exceeds-max-number-attempts-3-when-asking-for-an-answer/54730224>

<https://stackoverflow.com/questions/35591305/using-the-while-loop-to-give-the-user-3-attempts-for-a-valid-input-value>

<https://www.geeksforgeeks.org/number-guessing-game-in-python/>

<https://www.youtube.com/watch?v=7JtmHhYSRHc>

*Problem 3-Temperature Converter*

<https://www.w3resource.com/python-exercises/python-conditional-exercise-2.php>

<https://stackoverflow.com/questions/455612/limiting-floats-to-two-decimal-points>


*Problem 4-Exact Change:*

<https://www.youtube.com/watch?v=LrPVBYpuDN0>

<https://www.youtube.com/watch?v=8JwdenBGmEo>

<https://codereview.stackexchange.com/questions/238020/transform-dollars-in-exact-change>

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*Problem 5-Invert Capitalization:*

[https://www.w3schools.com/python/ref\\_string\\_swapcase.asp](https://www.w3schools.com/python/ref_string_swapcase.asp)

<https://stackoverflow.com/questions/47444473/swapping-letter-casing-in-python>

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