MiM Python Group Assignment 2021

Your task is to create a text adventure game with a narrative. The user will face a set of challenges or a puzzle that should be linked to a simple story line.

Create a text adventure game that allows the user to enter commands and perform actions in a fictional environment. They should be able to type any of the commands at any time, and move freely between the rooms (i.e. move north, then south etc).

Include:

- Navigation of at least four rooms (extra points for more)
- Commands **must include**: look, go + direction (north, south, east and west), get, view inventory. Commands should be typed using natural language. For example, to move, the user should type "go north". *There should not be any yes/no questions in the game, and it should be possible to complete the game by only typing the commands above.*
- There should be a description of a room when you enter (e.g. describing doors/exits and objects in the room) and graphics to add some fun (which can just pop up in a window when the user enters a room).
- The user should have the ability to pick up objects and put them in an "inventory"
- A puzzle should be created that involves using the objects in the inventory. A score calculated based on user performance should be displayed at the end

Specifications and pseudocode should be included. Remember, pseudocode should be developed before Python code, if there is evidence it was written after there will be a penalty.

- Additional features to implement: input validation, implementing a GUI and error handling. Also, generating a txt (or csv) file with the log of all user's actions, with 1 line per action. e.g.:

Action 1: move up
Action 2: pick <object> • Action 3: move right
Action 4: ...

IMPORTANT: You must use the libraries and commands from class, not ones from other sources. You should not use classes, only functions. Graphics must be done with the graphics library from the class. This is a test of what you have learned,

Note: An example of a text adventure can be viewed at
https://www.youtube.com/watch?v=JIGWHARUV9s
Due: 29th July at midnight