

NUI Galway
Programming and Tools for AI (CT5132/CT5148)

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September 11, 2022

Assignment 1: Drawing Pictures and Counting Treasure

Weighting 15% of the module

Deadline Midnight Sunday 25 September

Counting Treasure Get the file `treasure.py` from Bb. It contains a spec for a simple program, including doctests. Run it using `python -m doctest treasure.py`. Add code to implement the spec. Do not change the doctests. Put your name(s) and ID(s) as shown at the top. Submit `treasure.py`. This is worth 5%.

Drawing Pictures Get the file `draw.py` from Bb. It contains a spec for a simple program, including doctests. Run it using `python -m doctest treasure.py`. Add code to implement the spec. Do not change the doctests. Also, as indicated in `my_drawing()`, create a drawing of your own. It should be printed when you run `python draw.py`. A few bonus marks may be awarded for nice pictures. Put your name(s) and ID(s) as shown at the top. Submit `draw.py`. This is worth 10%.

Marks will be awarded for passing the doctests. Marks may be deducted for excessively bad style such as copy-pasted (duplicated) code, unused code, bad spacing, over-long solutions. Marks may be deducted for incorrect submission file or file format, missing name or ID, and changing doctests.

Groups Students may work solo or in groups of 2, as desired. Students who wish to form a group but do not yet have a partner may post on the Discussion Board. In groups of 2, both students should submit and submissions are assumed to be identical. In any communication concerning the assignment, students must cc all group members.

Plagiarism Students are reminded of the University's policy on plagiarism. Students may discuss the assignment with other students/groups but must not look at other students'/groups' work, including students from other years, or allow others to look at theirs. Any online sources used must be cited with URL and date of access in a comment. Materials from CT5132/CT5148 need not be cited. By writing your name and ID in the .py file and submitting it, you declare that you have abided by these conditions. Students may be called to interview to discuss their submissions. Suspected infringements will be investigated, marks may be deducted, and cases may be referred to NUI Galway authorities.