


Practical Recursion

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 HIS assignment requires you to flex your recursive muscles by solving 8 small coding problems.

Where Are the Problems?

THE EIGHT PROBLEMS to be solved are listed in the Python source file available from the course Assignments page where you found this document.

What do I Have to Do?

EACH OF THE PROBLEMS presents you with a Python function that solves a particular problem.

In Part 1 of the assignment, you are given non-recursive functions and your task is to write recursive functions that achieve the same result.

In Part 2 of the assignment, you are given recursive functions and your task is to rewrite them so that they function more efficiently.

In Part 3 of the assignment, you are given recursive functions and your task is to write non-recursive functions that achieve the same result.

How You Will Be Graded

The assignment will be marked out of 100. 90% of the grade will be for correctness and 10% of the grade will be for programming style.

The grader will read your code and will run your program to test correctness.

What to Submit

For this assignment, you are required to upload to onQ:

- A Python program containing your solutions to the 8 problems
- Nothing else. It's an easy assignment!

Remember to put your name and student number at the top of your program file, as well as the statement regarding academic integrity (as specified in Assignment 1). Also, your program must contain appropriate docstring documentation at the beginning of the program and in each defined function.

Due Date

The due date for this assignment is 20211029 (October 29), 11:59 PM