

MITx: 6.00.1x Introduction to Computer Science and Programming Using Python

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Calendar (/courses/MITx/6.00.1\_3x/2T2014/89309559b0414f6d8cbef9e48ca19f4b/)

Wiki (/courses/MITx/6.00.1\_3x/2T2014/course\_wiki)

Discussion (/courses/MITx/6.00.1\_3x/2T2014/discussion/forum)

Progress (/courses/MITx/6.00.1\_3x/2T2014/progress)

## L5 PROBLEM 1 (5 points possible)

Write an iterative function [iterPower(base, exp)] that calculates the exponential  $base^{exp}$  by simply using successive multiplication. For example, [iterPower(base, exp)] should compute  $base^{exp}$  by multiplying [base] times itself [exp] times. Write such a function below.

This function should take in two values - base can be a float or an integer; exp will be an integer  $\geq 0$ . It should return one numerical value. Your code must be iterative - use of the \*\* operator is not allowed.

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