Computing Problem Set #5-2

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Problem 1

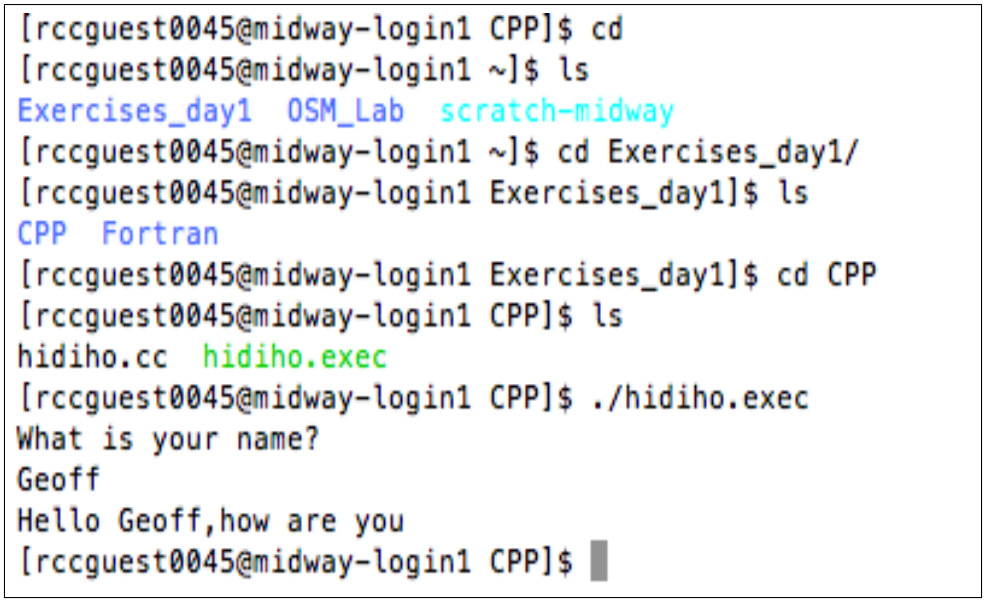
Solution. By Amdahl's Law, the maximum speedup is given by:

$$S = \frac{1}{f + \frac{1-f}{p}} = \frac{1}{.004 + \frac{.996}{100}} = 71.63.$$

Problem 2 Solution.

A screenshot demonstrating that the code functions is shown below.

Figure 1: First C++ code!



Problems 3-6

Solution. See the attached files in this folder for the relevant code.