Name:
Student Number:

Problem 1 (**10 pts**): write a C-function that accepts an array of floating point numbers of size N, and returns the average of the numbers. Provide the pseudo-code, and write the function using correct C syntax. To help you along, use the function prototype given below:

   a) pseudo-code:

   b) C-function with prototype: float findAverage(float *data, size_t N);

Problem 2 (**10 pts**): In the documentary, <u>AT&T Archives: The UNIX Operating System</u>, mention is made of a feature of the Unix operating system that allows programs to be "connected" together. What is this Unix feature called, and can you describe it?

Problem 3 (10 pts): Consider the following set of Linux commands:

$ cd ~
$ mkdir temp_dir
$ cd temp_dir
$ touch newfile.txt

Suppose that, at this point, the user wishes to delete the directory temp_dir. Can you provide one or two Linux commands to do so?

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