Design Document of Assignment 1
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The purpose of the script is to print pi's Monte Carlo estimation after each random point it tests.

There will be a creation of bash script (plot.sh) file, which will serve as the main script, core of this assignment.

The first line of the script will start with "'poundkey'!/bin/bash" which tells bash that this is an executable bash script.

Following that, use the command 'make' to modify 'sincos.c' and compile it to an executable.

Use gnuplot to call monte'underscore'carlo.c thus to produce a series of random coordinates.

Use "/tmp/sin.dat" to store the plots into a designated location.

Next, modify the output file using 'set output "sin.pdf"', 'set title "sin(x)"', 'set xlabel' and 'set ylabel', which sets the output location, title of the sine function, label x and y axis.

Ultimately, run them in bash, plot "/tmp/sin.dat" with linespoints.