PLOTTING A GRAPH WITH A GIVEN DATASET:

As required in the assignment, you have to plot a graph of the execution time taken by your program against the value of N.

A sample program (check_prime.c) has been provided as an example to calculating the execution times of various instances in the program.
Please go through the program, and implement the feature of finding execution times in your program.

Prepare a file, in which the execution time is given along with the value of N, in the following format :
N Time

Example,
1000 1.24

Once this dataset is prepared, use gnuplot to plot the graph for this dataset.
Type "gnuplot" in your shell.
Then to get the graph, type the following :

plot "data_filename" with lines

Note : In the data file, make sure that the entries are in increasing order of N, otherwise a different set of options will have to be used to get the correct plot .