Link to GitHub : <https://github.com/rverma999/MAS_WES/blob/main/Assignment%203%20.ipynb>

**Difficulties faced:**

* There were typos in the procided code, Modules->modules
* Makefile wasn’t working as it is.
* Made few mistakes in not using correct .so , Saw kernal killed display on jupyter., but it worked out.

So fixed those issues, but these threw me off a lot.

**Learnings:**

After initial hic ups I was finally able to get **.so** working and from there on it was smother ride.

In python code for Standard deviation, mean used numpy and used lists, dictionary so solve the problem. Also made the program scalable so that it could be used for multiple iterations.

Using multiple loops really helped us to shorten the problem.

Steps to create .**so**:

1. gcc -c -Wall -Werror -fpic main.c
2. gcc -shared -o sharedObject.so main.o

Enable Kernel PMYCounters:

1. sudo insmod CPUcntr.ko
2. dmesg | tail -1

Using matlab in python was cool . I liked it.

Final Plot :

A graph with a line and numbers

Description automatically generated with medium confidence