Lab Assignment 2

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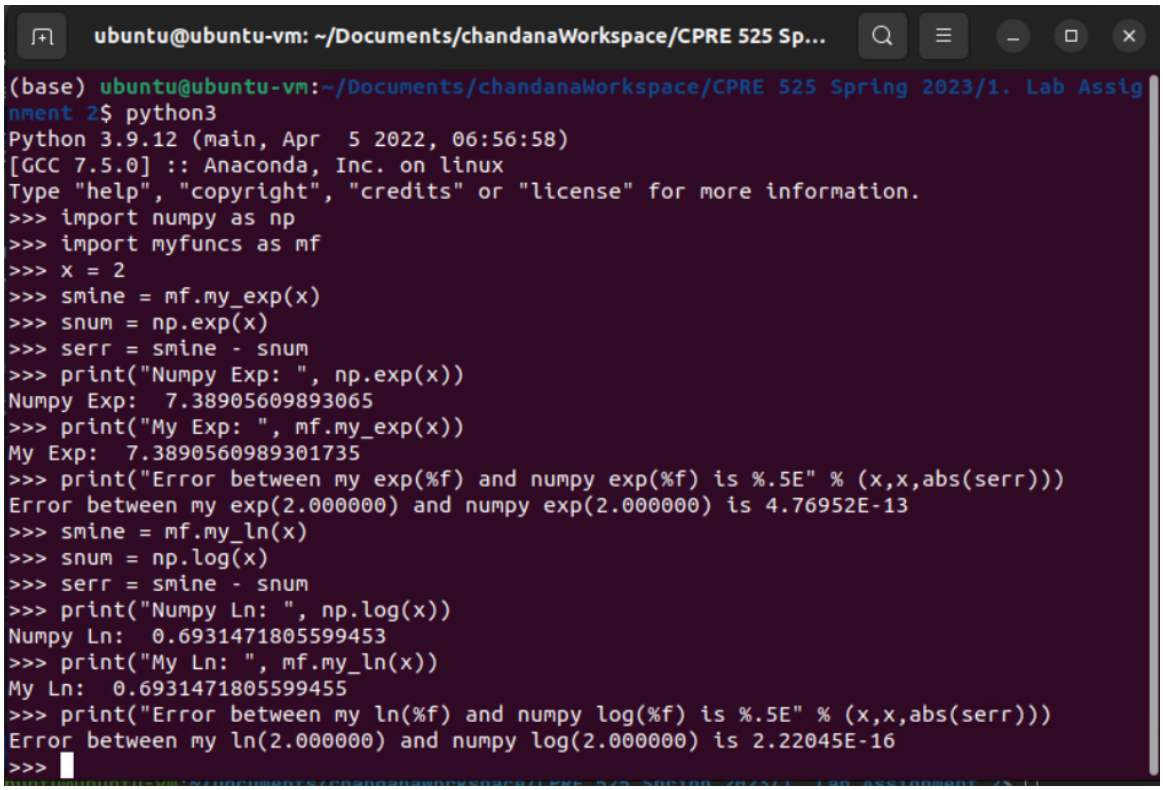
Tasks:

1. Develop a module with name myfuncs.py that includes the two functions discussed in lecture02. (Submit your code)
2. Run tests with comparison to numpy functions through Python prompt (Submit screen shots)
3. Develop a Python script with name demo_myfuncs.py that perform the same tests, run it on terminal (Submit both code and screen shots)

Submission Files and Results:

1. I developed a module with the name myfuncs.py that includes the two functions (i) my_exp: exponential function with Taylor series, and (ii) my_ln: natural logarithm function with newton's method using the my_exp function. I submitted the myfuncs.py along with this file.
2. Ran tests with comparison to NumPy functions through Python prompt for x=2 example. Here is the screenshot for the execution.



3. Developed a Python script with the name demo_myfuncs.py that performs the same tests for the x=2 example, and ran it on the terminal. Here is the screenshot for the execution.