

# Programming Fundamentals LAB – BSDSF23

(Both Morning and Afternoon)

## Lab 03 – 26-09-2023

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YOU may USE Command Prompt or *Mu Editor* to interpret and execute all the PYTHON programs. Use of any IDE, except *Mu Editor* is not allowed for this LAB, despite you are expert. Unless and until you convinced me for it personally.

### Task 01 (2 each)

1. Type date /t, press enter, and observe/note WHAT appears on screen, WHERE on the screen. Observe the command prompt
2. Type cls, press enter, and observe/note what happens
3. Type systeminfo, press enter, and observe/note WHAT appears on screen
4. Type notepad, press enter, and observe/note WHAT appears on screen
5. Type notepad, press enter, and observe/note WHAT happens, leave notepad open
6. Again, type tasklist, press enter, and observe/note PID of notepad
7. Type taskkill /PID #####, where ##### is PID of notepad, press enter, and observe/note WHAT appears on screen
8. Type whoami /all, press enter, and interact with computer by just pressing enter

### Task 02 (12 each)

1. Load and run 02average.py, provided with this LAB.
2. Modify the program to compute the average of 7 number in similar way as in task 02-1. Press the run button and observe the execution right.

### Task 03 (20 each)

1. Create and interpret a program named 31areatri.py to output the area of a triangle, whose base and height has to be entered by user.
2. Create and interpret a program named 32areacir.py to output the area of a circle, whose radius has to be entered by user.
3. Create and interpret a program named 33tenfracs.py to output first 10 fractions as numbers with decimal rounded to 2 decimal places, one per line. [output should be 1 newline 0.5 newline 0.33 newline . . . 0.1 newline]. **Hint:** user round(x,2) function.

**Thanks, for your patience**