

ENGI 1331 Workshop Basic Functions Activity

MW 5:30 PM

Week 1 - Class 2 - 08/24/22

Look at the MATLAB file 'basicFunctionScriptWeek1Class2' and use it to answer the following questions.

1. Notice that line 1 contains the '%%' special character, line 3 contains the '%{' special character, and line 17 contains the '%' special character. What is the purpose of each of these special characters? For any of those lines, remove the special character. Does the program still work?
2. Run your program and when the first output statement 'Enter your name: ' appears, click both the 'Ctrl' and 'C' button on your keyboard at the same time. What happens?
3. Notice that lines 30 and 33 end with a semicolon. What is the point of these semicolons? What happens if you remove them? What happens if you add a semicolon to the end of line 38?
4. Notice that the 'input' function on line 30 contains a 's' while the 'input' function on line 33 does not. Why does line 30 need the 's'? If you remove it, does the program still work?
5. Lines 38, 41, and 44 contain the '\n' special character. What does this character do? Does the output change if you remove it?
6. The 'fprintf' statements on lines 38, 41, and 44 all contain single quotes. Does anything change if you use double quotes?
7. The 'fprintf' statements on lines 41 and 44 contain the identifiers '%s' and '%d', respectively. These identifiers are also called conversion specifiers. What do these identifiers do? Try switching the identifiers. Does the program still work? Try removing second argument of the 'fprintf' function (the variable after the comma). Does the program still work?