ENGR 1120 Lecture Chapter 3 -Command Window Input and Output

- basic command window output;
 - by default each line of code (expression or assignment) will print to the C.W.

- however the *semicolon* is used to *suppress* the output
- example:

$$>> x=10;$$

- the default output can be configured using the format command

note: I will not be using the *format* command, you can look into if you wish

• 2 new useful functions

- the fprintf() function
 - * similar to the C library function
 - st complete control of the $command\ window\ output$
 - * also used with file output, formatted print to file
 - * results in a formatted string, character level control

* example:

The lines below goes in your code.

The following output will appear in the command window.

Can you tell what happened?

- more about the $\mathit{fprintf}()$ function
 - '% feild width . precision f '
 - * Data Type of the value

* Field Width

* Precision

- escape sequences and the $\mathit{fprintf}()$ function

- * \a
- * \b
- * \n
- * \1
- * \t
- *
- *
- *

- the input() function

- * adds a simple user interface to your program
- * you type $command\ window\ input$
- * the input can be stored as a variable

* example:

The line below goes in your code,

and then the text will appear in the command window.

Now the user can type a value (shown in red below) followed by the *Enter* key.

Now you can see the value 42.7 is stored in the variable x.