## ENGR 1120 Lecture Chapter 1 -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 *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.

## - 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
- \* \r
- \* \t
- \*
- \*
- \*