

The fprintf Command:

- The **fprintf** command can be used to display output (text and data) on the screen or to save it to a file.

1- To display text, the **fprintf** command has the form:

fprintf (' text typed in as a string ')

Example:

```
fprintf(' The problem, as entered, has no solution. Please check the input data.')
```

the following is displayed in the Command Window:

>> The problem, as entered, has no solution. Please check the input data.

Example:

File Edit Text Go Cell Tools Debug Desktop Window Help

1.0 + ÷ 1.1 ×

C:\Users\asaad\Documents\MATLAB\ave.m

```

1 - clc
2 - fprintf('The problem, as entered, has no solution. Please check the input data.')
3 - x = 10; d = 13 + 4*x;
4 - fprintf('Try to run the program later.')
5 - z = d + x;
6 - fprintf('Use different input values.')
```

ave.m x

Click and drag to move the document bar... script Ln 6 Col 39 OVR

When this file is executed the display in the Command Window is:

>> The problem, as entered, has no solution. Please check the input data. Try to run the program later. Use different input values.

- To start a new line with the `fprintf` command, **\n** must be typed at the start of the string.

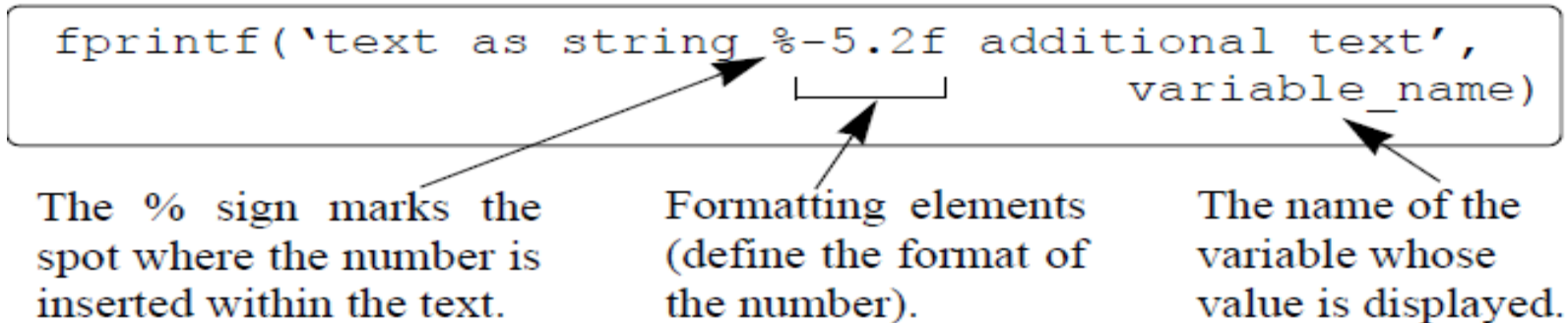
EX:

`fprintf('The problem, as entered, has no solution.\n Please check the input data.')`

the display in the Command Window is:

- **>> The problem, as entered, has no solution.**
Please check the input data.

2- To display a mix of text and a number (value of a variable), the `fprintf` command has the form:



The formatting elements are:

