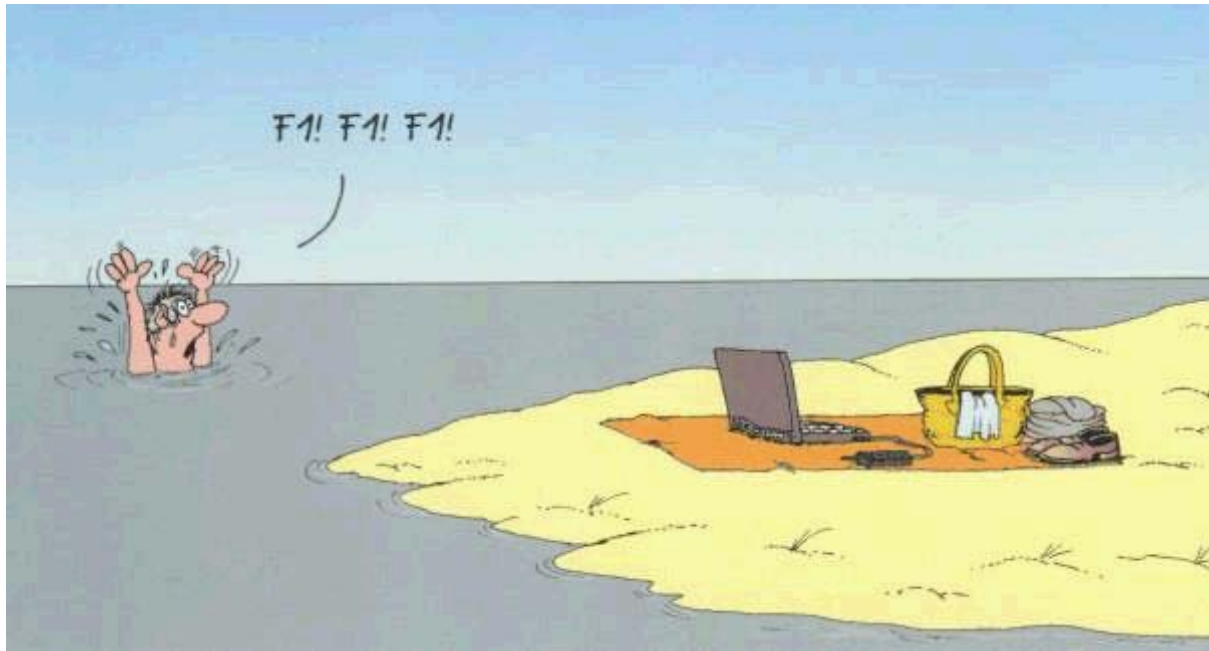


HELP: F1



[1 timelessbits.wordpress.com](http://timelessbits.wordpress.com)

- help functionname
- helpwin functionsname
- doc functionsname
- lookfor functionsname

You can always search in google and mathworks website.

Possible ways to name a variable:

- In MATLAB, variable declaration is not required.
- A variable is created with its first assignment.
- Name of the variable must begin with a letter.
- Variables are stored in the workspace and stay there visible until they are deleted.

- Some variables such as ans, eps, j, i, inf, NaN, pi, realmax, realmin, cos, sin, tan etc. are reserved by MATLAB. Do not use them.

Task 1:

- a) Create two 1-D arrays x and y of size 5
- b) Plot them

Task 2:

- a) Create one 1-D array 'x' with 3 values
- b) Compute values of sine function in those points and store them in array 'y'. ($y = \sin x$)
- c) Plot 'x' versus 'y'

For Loop

for index=initVal:step:endVal

 statements;

end

Task 3

- a) Plot the value of $y = \sin(x)$; value of x runs from zero (0) to ten (10) with interval of 0.1

Hints:

$x_1=0, x_2=0.1, x_3=0.2 \dots x_{101}=10$

use: plot(x,y,'*')

Task 4

- a) Construct Fibonacci Series with 10 elements in the sequence and store them in an array. First two elements are 1 and 2.