# Function file

Contains a function for the program
fx as file logo (.m extension)

→ Data file or Notepad (Both Possible)

Number of Input and Output values are controlled

To save data in MATLAB environment, .mat file

MAT file (.mat file)
Binary file, Data file, read in MATLAB environment
Data can also be saved as .txt

○ Comand window → file name write
(Runs the program, script file only)
Function file requires some input and gives output
we have to specific path location before running

$pi = 3.141$ is pre difined

## Output Display

1) format long      . 15 places
2) format short     . 4 places
3) format long e    . 15 places + e⁻
4) format short e   . 4 places e⁻
5) format short g   . Total 5 digits (before . and after)
6) format slong g   . Total 4 digits (before . and after)

Doesn't calculate anything only affects output of the program → format function

## Output

1) → 3.1416      [after decimal 5.4]
2) → 3.141659265358979 3  [after decimal 15]
3) → 3.141592653589793e+00
4) → 3.1416e+00      (if multiplyed by 10, 3.1415e+01)
5) → 3.1416   [5 digits in total]      (if ×10, 31.415)
6) → [15 digits in total]