Introduction to Computer for Engineers

Lecture 2
Script & Function

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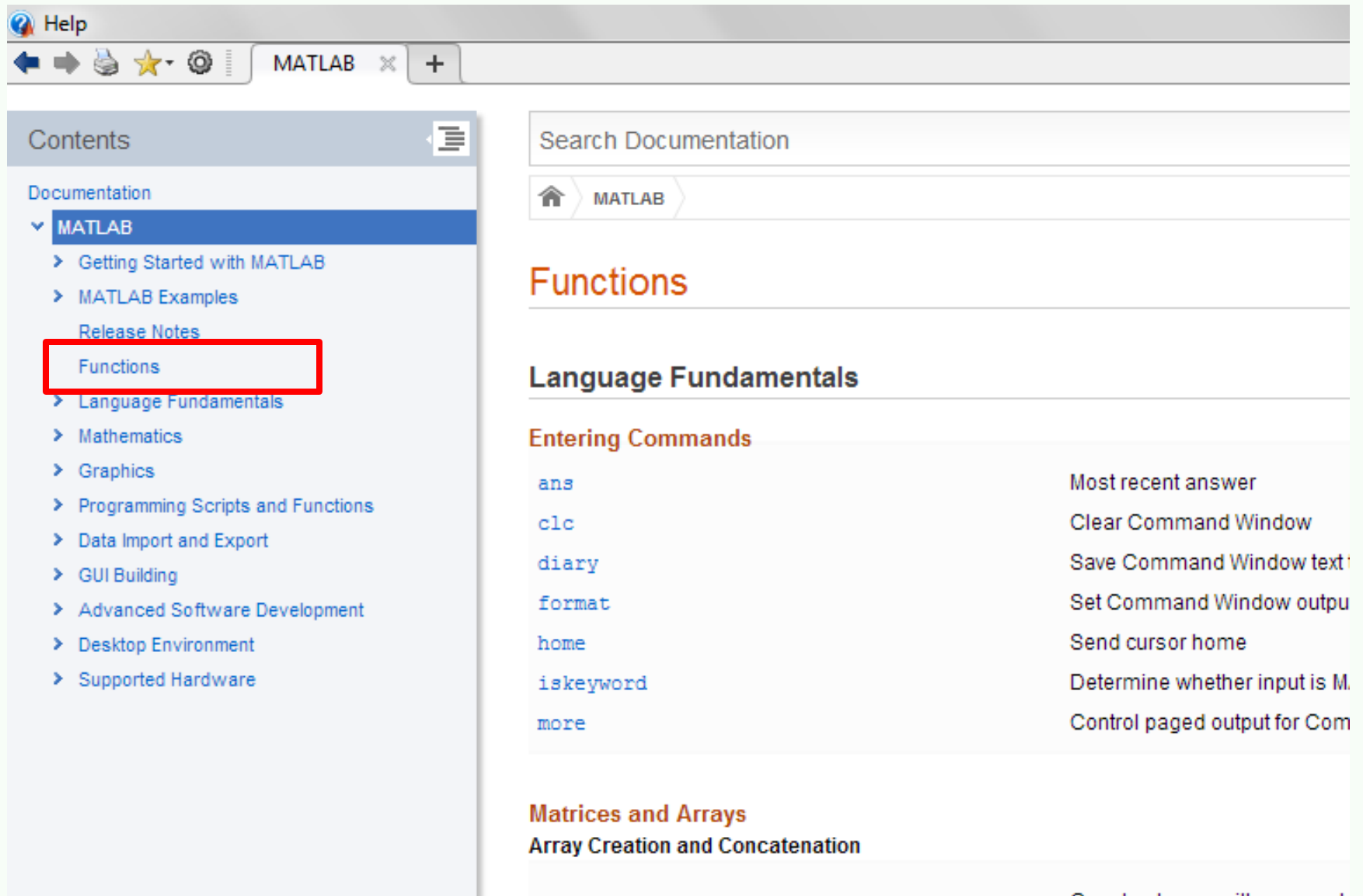
Basic computation in command window

SCRIPT

Concept of SCRIPT in MATLAB

Execution of a script

Private folder ≠ Bin folder

**Script name ≠ Name of all the
                         public functions**

SCRIPT – Public Functions

PRIVATE FUNCTION

Build a private function

Function output

Function input/variable/argument

```
function  y = average(x)
        y = sum(x)/length(x);
end
```

Function name

Name of private function

Store/location of private function

PRIVATE FUNCTION - Question

Under which conditions :
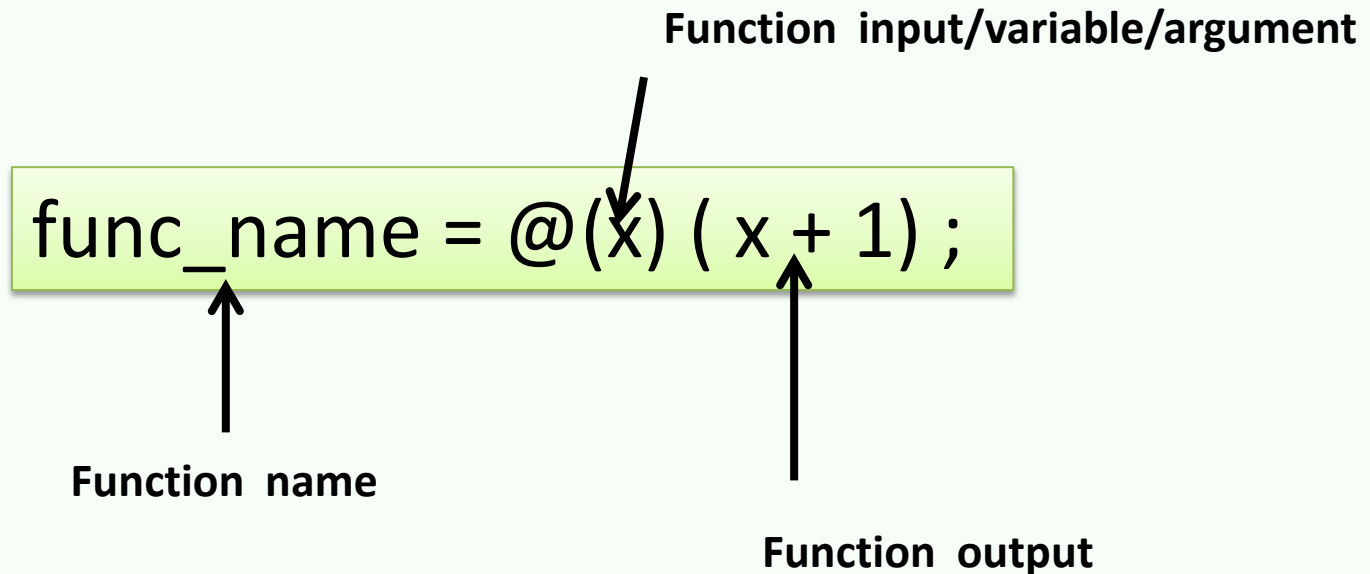
Build a private function in a "right way"?

Execute it in command window?

Call it in a script?

ANONYMOUS FUNCTION

Locate/valid inside a script

No storage

Function input/variable/argument

$$func\_name = @(x) \; (x + 1) ;$$

Function name

Function output

Knowledge accumulation

End of Lecture 2