MATLAB Quiz 7

Total points 15/15

The respondent's email (**amlali98eg@gmail.com**) was recorded on submission of this form.

✓ What is the primary purpose of using functions in MATLAB? * 1/1

- ○ a) To declare variables
- ○ b) To print output to the Command Window
- ◉ c) To encapsulate and reuse code ✓
- ○ d) To create loops

✓ Which keyword is used to define a new function in MATLAB? * 1/1

- ◉ a) function ✓
- ○ b) define
- ○ c) new
- ○ d) create

✓ In MATLAB, can a function have multiple outputs? * 1/1

- (●) a) Yes, using the [ ] square brackets ✓
- ( ) b) No, a function can only have one output
- ( ) c) Yes, but it requires a special syntax
- ( ) d) Yes, by using multiple return statements

✓ What is the main advantage of using functions to encapsulate code in MATLAB? *1/1

- ( ) a) It allows for global variable access
- ( ) b) It makes the code shorter
- (●) c) It improves code organization and reusability ✓
- ( ) d) It speeds up code execution

✓ Which of the following statements is true about function names in MATLAB? *1/1

- ( ) a) Function names must start with a number.
- ( ) b) Function names must be enclosed in single quotes.
- (●) c) Function names are case-sensitive. ✓
- ( ) d) Function names can include spaces.

✓ In MATLAB, what does the help command do? * 1/1

- ( ) a) Displays a list of all available functions.
- (•) b) Provides documentation and information about a function. ✓
- ( ) c) Clears the Command Window.
- ( ) d) Executes the function.

✓ What is the purpose of the return statement in a MATLAB function? * 1/1

- ( ) a) It defines the function name.
- ( ) b) It specifies the number of inputs.
- ( ) c) It indicates the start of the function's code.
- (•) d) It returns values from the function. ✓

✓ Which symbol is used to define comments within a MATLAB function? * 1/1

- (•) a) % ✓
- ( ) b) #
- ( ) c) //
- ( ) d) /* */

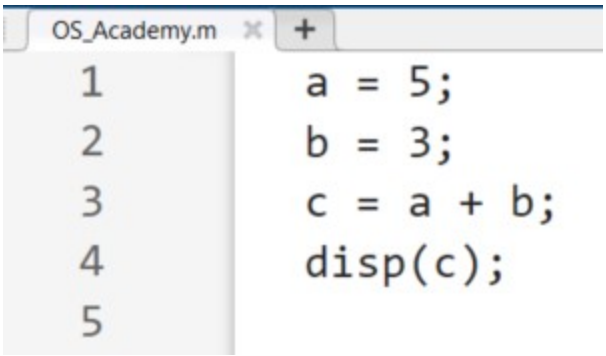
✓ What is the correct way to call a MATLAB function named calculateArea with two input arguments length and width? *1/1

- a) calculateArea length width
- b) calculateArea(length, width) ✓
- c) calculateArea [length, width]
- d) calculateArea(width length)

✓ Which MATLAB function can be used to plot data and create visualizations? *1/1

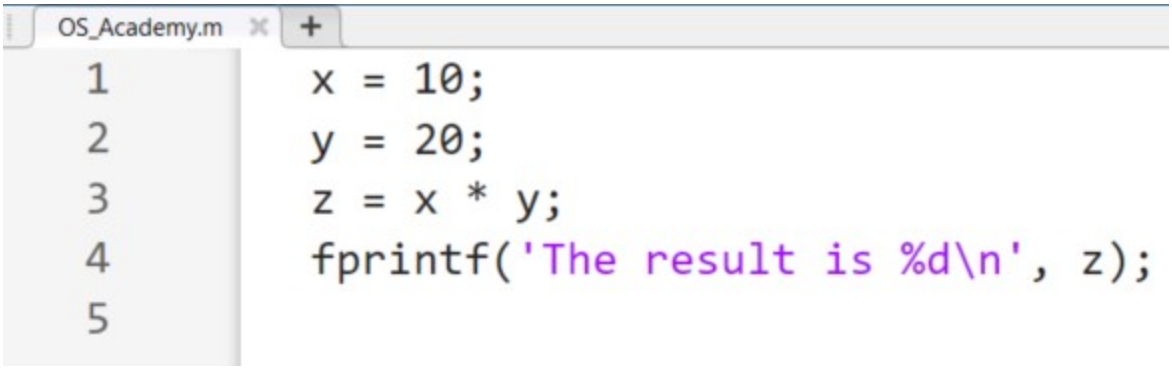
- a) print
- b) disp
- c) graph
- d) plot ✓

✓ What is the output of the following MATLAB code snippet? * 1/1



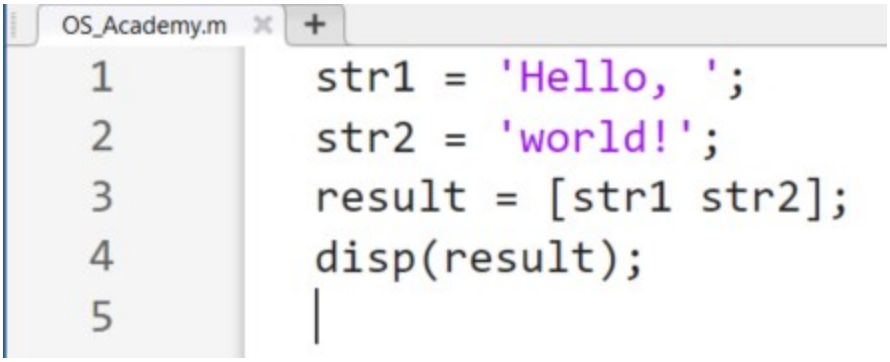
8 ✓

✓ Given the following MATLAB code, what is the output? * 1/1



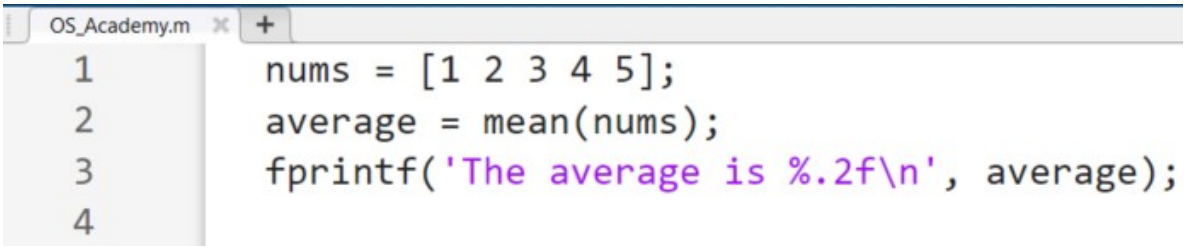
The result is 200 ✓

✓ What will be the output of this MATLAB code? * 1/1



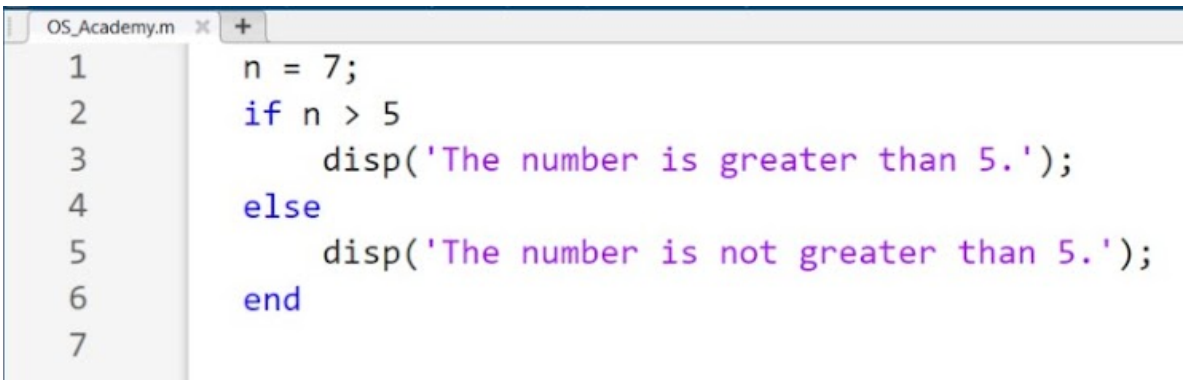
Hello, world! ✓

✓ * 1/1



The average is 3.00 ✓

✓ What will be displayed when you execute this MATLAB code? * 1/1



The number is greater than 5. ✓