

## Exercises 1

- 1- Define a double variable x and initializing it with a value?
- 2- Define an integer variable y and initializing it with a square root function of 17?
- 3- Define a single variable z and initializing it with the summation of x and y?
- 4- Display all the variables you have used before with or without details?
- 5- Change numbers format to 16 digits after decimal part?
- 6- Display variable z again?
- 7- Clear all variables form the memory and clean the screen?
- 8- Examine if the variable x is exist or NOT?

9- Create m file that contains:

- a. Input a value using dialog and define it in a variable x
- b. Define a variable y that generate number between 1 and 100
- c. Define a variable z and initializing it with  $x^y$
- d. Determine if a variable x is integer number or NOT
- e. Display these statements:

value of x " + " value of y " = " value of z

For example:

x = 3;

y = 4;

Statement: 3 + 4 = 81