Urban School Simulation Services Inc.

www.urbanschool.in

Matlab Exercise for Beginners: Part-1

There are two main methods of learning any new programming language. One is, to understand the in-depth idea and process behind every single concept. The other is to learn through solving problems. This exercise is the part of second method. I always ask people to solve problems at the very beginning stage. This will keep the learning interesting as you will see the results instantly. Hope you guys will enjoy these exercise. HAPPY LEARNING.

1. There are three main windows when you open matlab viz. command window, command history and current folder. So the question is, where you will type your code to perform an addition of two variables?
2. What happens when you drag and drop a variable from command history to command window?
3. Define a variable "a" and set its value 1.
4. What is the size of the matrix you created above in question number 3? HINT: Use command size (variable).
5. Define another matrix b with value 3.
6. Create a new matrix C by adding matrix "a" and matrix "b".
7. Evaluate the following expressions:
    1. 2^8.
    2. 22/7-π
    3. π -e^ π

8. Evaluate the following expressions, omitting semicolons at the ends of your lines. You should have the format short (the default) in effect for all but the last two items.

(a) 1/0
(b) 0/0
(c) 1 – 10^-8
(d) 1 – 10^-20
(e) 1 – 10^-8 with format long in effect
(f) 1 – 10^-20 with format long in effect

9. Define a matrix "m" with 3 rows and 3 columns
   [1 2 3
    4 5 6
    7 8 9]

10. Find the inverse of above defined matrix.

Send your queries at satendra@urbanschool.in