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Course:- MATLAB Onramp. 4AL18EC049
4th Sem, 'A' Sec

- Matlab Desktop and editor.

→ Create a variable called x, with a value of π/2

x = Pi/2

x = 1.5708.

→ Use the sin function to calculate the sine of x. Assign the result to a variable named y.

- y = sin(x)

y = 1

→ Use the Sqrt function to calculate the square root of -9. Assign the result to a variable named z.

z = Sqrt(-9)

→ X = Pi * r^2

- Array creation function

creat variable named x that is a 5 by-5 matrix of random numbers.

Indexing into Arrays:-

- Use 'end' keyword to obtain the value in the last row of 3rd column of the variable 'data'. Assign this value to the variable named 'x'

  → x = data[end, 3].

- Extracting Multiple elements.

  Volumes = data(:, 3:4)

  p = density(6)

  p = density(2:5).

- Changing Values in Array.

  v2 = data(:, end)

  v2(1) = 0.5

  data(1, end) = 0.5

- Performing Array operation on Vectors

  r = 1 + v1

  v5 = v1 + v2