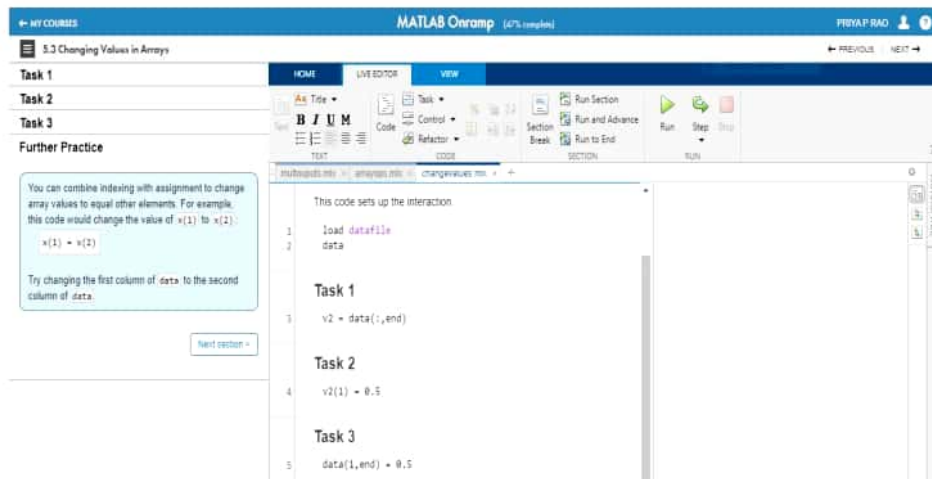


DAILY ASSESSMENT FORMAT

Date:	07/07/2020	Name:	PREETHAM S RAI
Course:	MATLAB Onramp	USN:	4AL18EC040
Topic:	Indexing into and Modifying Arrays Array Calculation	Semester & Section:	4 th Sem 'A' Section
Github Repository:	Psraipreetham		

FORENOON SESSION DETAILS

Image of session



In today's session I have learnt about :

Indexing into and Modifying arrays

We can extract values from an array using row, column indexing.

y = A(5,7)

This syntax extracts the value in the 5th row and 7th column of A and assigns the result to the variable y.



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We can use the MATLAB keyword end as either a row or column index to reference the last element.

$y = A(\text{end}, 2)$

We can use arithmetic with the keyword end. For example:

$y = A(\text{end}-1, \text{end}-2)$

Indexing into array

Extracting Multiple Elements

Changing Values In Array

Array calculations

Performing array operations on vector

MATLAB is designed to work naturally with arrays. For example, we can add a scalar value to all the elements of an array.

$y = x + 2$

We can add together any two arrays of the same size.

$z = x + y$

We can multiply or divide all of the elements of an array by a scalar.

$z = 2 * x$

$y = x / 3$

Basic statistical functions in MATLAB can be applied to a vector to produce a single output. The maximum value of a vector can be determined using the max function.

$x_{\text{Max}} = \text{max}(x)$

MATLAB has functions that perform mathematical operations on an entire vector or array of values in a single command.



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$x\text{Sqrt} = \text{sqrt}(x)$

Date:	07/07/2020	Name:	PREETHAM S RAI
Course:	Internet of Things (IoT)	USN:	4AL18EC040
Topic:	Everything is Connected	Semester & Section:	4 th Sem 'A' Section
Github Repository:	Psraipreetham		

AFTERNOON SESSION DETAILS

Image of session



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In today's session I have studied about :

INTRODUCTION

DIGITAL TRANSFORMATION

Digitization transforms business

Globally connected through network

DEVICES THAT CONNECT TO IOT

THE GROWTH OF DEVICES

CONNECTING IOT DEVICES TO NETWORK



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