

HKUSTx: ELEC1200.1x A System View of Communications: From Signals to Packets (Part 1)

KarenWest (/dashboard)

Course Ware (/courses/HKUSTx/ELEC1200.1x/3T2014/courseware) Course Info (/courses/HKUSTx/ELEC1200.1x/3T2014/info)

Course Outline (/courses/HKUSTx/ELEC1200.1x/3T2014/05fb01b36df14eb99ab54545dabc47f6/)

Grading Scheme (/courses/HKUSTx/ELEC1200.1x/3T2014/6e2be4dac3e44b4d9f812e7b5a5d5a29/)

요 - 의 Instructors (/courses/HKUSTx/ELEC1200.1x/3T2014/674fdd6887fe4f4bb73b984df4a5675b/)

Resources (/courses/HKUSTx/ELEC1200.1x/3T2014/a6a8267fef364cccbccd0128d091f11c/)

Discussion (/courses/HKUSTx/ELEC1200.1x/3T2014/discussion/forum)

Progress (/courses/HKUSTx/ELEC1200.1x/3T2014/progress)

## ARRAY CREATION FUNCTIONS 1:57/1:57 1.0x

## **EXAMPLE - VECTOR CREATION**

- 1. Create a row vector | x | with 3 elements. You may use any values you wish as the elements.
- 2. Create a column vector y with 5 elements. Again, you may use any values you wish.
- 3. Create a vector z using the colon operator. It contains the values from 0 to 10 with spacing 0.5.

```
Array Creation Functions | 1.4 Lab Overview ...
   1% Create a row vector x with 3 elements.
   2x = [1,2,3]
   3
   4 % Create a column vector y with 5 elements.
   5y = [1;2;3;4;5]
   7% Create a vector z using the colon operator
   8% containing the values from 0 to 10 with spacing 0.5.
   9z = [0:0.5:10]
  10
  11
  12
```

Correct

```
x = [1,2,3]
y = [1;2;3;4;5]
z = 0:0.5:10
```

```
x =
  1 2 3
y =
```

z =

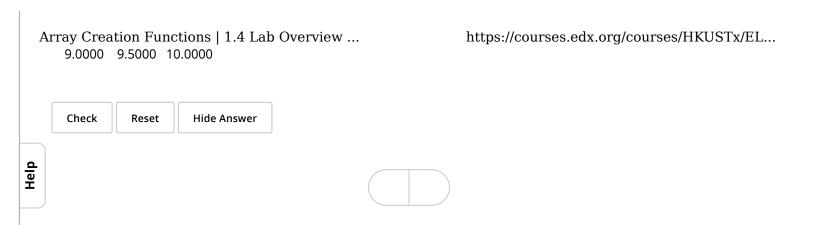
Columns 1 through 9

0 0.5000 1.0000 1.5000 2.0000 2.5000 3.0000 3.5000 4.0000

Columns 10 through 18

4.5000 5.0000 5.5000 6.0000 6.5000 7.0000 7.5000 8.0000 8.5000

Columns 19 through 21



About (https://www.edx.org/about-us) Jobs (https://www.edx.org/jobs) Press (https://www.edx.org/press) FAQ (https://www.edx.org/student-faq) Contact (https://www.edx.org/contact)



EdX is a non-profit created by founding partners Harvard and MIT whose mission is to bring the best of higher education to students of all ages anywhere in the world, wherever there is Internet access. EdX's free online MOOCs are interactive and subjects include computer science, public health, and artificial intelligence.



(http://www.meetup.com/YourMeetup)



(http://www.facebook.com/EdxOnline)



(https://twitter.com /YourPlatformTwitterAccount)



(https://plus.google.com /YourGooglePlusAccount/)



(http://youtube.com/user/edxonline)

© 2014 edX, some rights reserved.

Terms of Service and Honor Code - Privacy Policy (https://www.edx.org/edx-privacy-policy)

3 of 3 09/26/2014 02:36 PM