Announcements

About the Course

Mentor

NPTEL » Python for Data Science

Unit 4 - Week 2

Course outline How does an NPTEL online course work? Week 0 Week 1 Week 2 Jupyter setup Sequence_data_part_1 Sequence_data_part_2 Sequence_data_part_3 Sequence_data_part_4 Numpy Week 2 : Lecture slides Quiz : Practice Assignment 2 O Quiz: Assignment 2 Week 2 - FAQs Week 2 Feedback Solution : Assignment 2

Week 3

Week 4

Supporting material for Week

Download Videos

Assignment 2 MCQ/MSQ – questions can have 1 or more correct answers. Which of the following sequence data type is defined by enclosing the elements in parentheses '()'?

Lists

Score: 0

Tuples

Score: 0

Arrays Tuples

Dictionary

Accepted Answers:

No, the answer is incorrect.

numpy arrays are immutable

No, the answer is incorrect.

numpy arrays are immutable

Accepted Answers:

print (a[0])

print (a[3])

Accepted Answers:

No, the answer is incorrect.

x = np.arange(10); x[5,3,1]x = np.arange(10); x[-5::2]

x = np.arange(10); x[5:-2]

x = np.arange(10); x[5::-2]

x[y]

No, the answer is incorrect.

Accepted Answers:

0,8,9,15

8,9,15,17

IndexError

Accepted Answers:

No, the answer is incorrect.

No, the answer is incorrect.

Accepted Answers:

np.argsort ()

np.bogosort ()

Accepted Answers:

8) Create two tuples

tuple+tuple1

tuple[3] = 45

Accepted Answers:

No, the answer is incorrect.

No, the answer is incorrect.

M = set ([11,12,12,13,14,15])

M = set ([11,12],[13,14],[14,15])

 $M = \{11,12,13,14\}$

M = set ((11,12,13,14))

No, the answer is incorrect.

M = set ([11,12],[13,14],[14,15])

S={12,13,14,15,16, 17}

No, the answer is incorrect.

No, the answer is incorrect.

No, the answer is incorrect.

the price of oranges to 0.90?

Accepted Answers:

 \bigcirc d[2] = 0.90

Score: 0

 \bigcirc d[0.50] = 0.90

d["oranges "] = 0.90

No, the answer is incorrect.

 \bigcirc d["plum "] = 0.90

Accepted Answers: d["oranges "] = 0.90

np.concatenate

all of the above

Accepted Answers:

all of the above

○{1:1}

Score: 0

{ 1: 2, '1': 2 }

print(n)

 \bigcirc [1, 4, 9, 16]

 \bigcirc [0, 1, 4, 9]

Score: 0

[0, 1, 4, 9]

4 6

8

64

Score: 0

Score: 0

Score: 0

(0, 1, 4, 9, 16)

Accepted Answers:

list = [2, 4, 6, 8]

print(next(a))

a = (x**3 for x in list)

No, the answer is incorrect.

Create a tuple inside a set Create a list inside a set

Create a list inside a tuple

Create a set inside a list

No, the answer is incorrect.

Accepted Answers: Create a list inside a set

np.ones((3,3),True)

np.full((3,3),True)

Accepted Answers: np.full((3,3),True)

np.zeros((3,3),False)

np.arange((3,3),False)

No, the answer is incorrect.

Accepted Answers:

No, the answer is incorrect.

 \bigcirc [1, 4, 9]

○{1:2, '1':2} ○{1:0; '1':2}

○{1:1, '1':2}

Accepted Answers:

No, the answer is incorrect.

17) The output of the code given below is

The output of the code given below is

19) Which of the following is not possible in sequence datatypes?

20) Which of the following commands will give you a new numpy array with Boolean values?

n = [x*x for x in range(4)]

No, the answer is incorrect.

c={}

c[1]=1

c['1']=2 c[1] +=1print(c)

16) What will be the output of the dictionary 'c'?

np.hstack

np.vstack

Score: 0

Accepted Answers:

S={12,13,14,15}

Accepted Answers:

S={13,14}

Score: 0

 $S=\{13,14\}$

○a ^ b

○a&b

○a|b ○ a – b

Score: 0

Score: 0

a b

Accepted Answers:

Accepted Answers:

sum(tuple)

len(tuple)

Score: 0

tuple[3] = 45

len(N)

Score: 0

np.size(N)

Score: 0

len(N)

N.count() np.size(N) N.size()

np.selectionsort ()

No, the answer is incorrect.

np.sort ()

8,9,15

Score: 0

add () insert ()

extend ()

opop ()

Score: 0

extend ()

Score: 0

np.argsort ()

8,9,15

x = np.arange(10); x[5::-2]

print (a[-1])

print (a)

Score: 0

print (a[-1])

Score: 0

numpy arrays can support multidimensional data

The due date for submitting this assignment has passed. As per our records you have not submitted this assignment.

2) Which of the following statement is not valid about Numpy 'Arrays'?

ndarray.shape attribute returns a tuple consisting of array dimensions

The command to access the last element from the array "a" is__

a = arr.array('d', [2.5, 3.5, 4.5])

4) Create an array 'x' with values 0 to 9 and find what is the command to extract the elements in the following sequence - array ([5,3,1])?

import array as arr

5) What will be the output after executing the following codes?

x=(0,8,9,15,17,18)

The function that returns the indices of the sorted elements.

tuple=(2,4,6,3,7)

Find out which of the following code does not work on a tuple

The command to find the number of elements in the following array "N" is

10) Which of the following is not a valid syntax for creating a Set 'M' in Python?

S.intersection_update({17,13,14,16}); print (S)

12) Which of the following command returns the set of all elements from both sets, a and b?

14) For dictionary **d** = {"plum ":0.66, "pears ":1.25,"oranges ":0.50, "apple":0.75 }, which of the following statement correctly updates

11) What will be the output after executing the following codes?

S={12,13,14,15}

Error, object has no attribute intersection_update

13) What will be the output of ndarray.ndim attribute?

Gives the number of axes or dimensions of the array

Gives the size of each element of the array in bytes

Gives the number of axes or dimensions of the array

Gives the buffer containing the actual elements of the array

15) Which of the following command(s) is/are used to join arrays?

Gives an object describing the type of the elements in the array

N=np.array([24, None, 29, 'str', np.nan, 23, 20, (), [], ...])

tuple1 =(1,2,3)

6) The method used to increase the length of the list by number of elements in its argument.

y=slice(1,-2)

The type of items in the array is specified by a separate data-type object (dtype)

Progress

Due on 2020-02-12, 23:59 IST.

1 point

Ask a Question