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Create a D-D array with value 42  Create a D-D array containing the values 1,2,3,4,5;  Create a 1-D array containing two arrays with the values 1,2,3,4,5;  Create a 2-D array containing two arrays both containing two arrays with the values 1,2,3,4,5;  Create a 3-D array with two 2, D arrays, both containing two arrays that we will be 1,2,3 and 1,5,6;  Create a 2-D array dimensions the arrays have:  Create a 3-D array with two 2, D arrays, both containing two arrays with the values 1,2,3 and 1,5,6;  Create an array dimensions the arrays have:  Create an array with 5 dimensions and verify that it has 5 dimensions array with 5 dimensions and verify that it has 5 dimensions are array with 5 dimensions and verify mat it has 5 dimensions.  Create an array with 5 dimensions and verify mat it has 5 dimensions are array with 5 dimensions and verify mat it has 5 dimensions.  Create an array with 5 dimensions and verify mat it has 5 dimensions are array index in a second dimensions are array of the first array.  Create an array with 5 dimensions and verify mat it has 5 dimensions.  Create an array with 5 dimensions and verify mat it has 5 dimensions are array index array ind	Create a CD array with value 42  Create a 2-D array containing two values 1,2,3,4,5.5  Create a 2-D array containing two arrays with the values 1,2,3,1,5,6  Create a 2-D array containing two arrays with the values 1,2,3,1,5,6  Create a 2-D array containing two arrays with the values 1,2,3,1,5,6  Create a 2-D array containing two arrays with the values 1,2,3,1,5,6  Create a 2-D array with 50 dimensions the arrays have:  Create a 2-D array with 5 dimensions and verify that it has 5  Create a 2-D array with 5 dimensions and verify that it has 5  Create a 2-D array with 5 dimensions and verify that it has 5  Create a 2-D array with 5 dimensions and verify that it has 5  Create a 2-D array with 5 dimensions and verify that it has 5  Create a 2-D array with 5 dimensions and verify that it has 5  Create a 2-D array with 5 dimensions and verify that it has 5  Create a 2-D array with 6 dimensions and verify that it has 5  Create a 2-D array with 6 dimensions and verify that it has 5  Create a 2-D array with 6 dimensions and verify that it has 5  Create a 2-D array with 6 dimensions and verify that it has 5  Create a 2-D array with 6 dimension array of the first array with 6 dimensions and verify that it has 5  Create a 2-D array with 6 dimension array of the first array with 6 dimensions and 6 dimensions array of the first array.  Create a 2-D array with 6 dimension array of the first array with 6 dimensions are a 2-D array with 7 dimensions are a 2-D a	Create a D-D array with value 42  *** The array containing the values 1,2,3,4,5;  *** The array containing the values 1,2,3,4,5,5;  *** The array containing the values 1,2,3,4,5,6;  *** The array index of the array index 1,4,5,6;  *** The array index of the order of the values 1,2,3,4,5,6;  *** The array containing the values 1,2,3,4,5,6;  *** The arra	arr = np.array((1, 2, 3, 4, 5))  print(arr)  [2 2 3 4 5]  Create a 0-D array with value 4  arr = np.array(42)  print(arr)  [2 Create a 1-D array containing to arr = np.array([1, 2, 3, 4, 5])  print(arr)  [2 2 3 4 5]  Create a 2-D array containing to 4,5,6:  arr = np.array([[1, 2, 3], [4, 5, 6]])  print(arr)  [1 2 3] [4 5 6]  Create a 3-D array with two 2-E  with the values 1,2,3 and 4,5,6  arr = np.array([[[1, 2, 3], [4, 5, 6]])  print(arr)  [1 2 3] [4 5 6] [4 5 6]	he values 1,2, wo arrays with	
Create a 2-D array containing lord arrays with the values 1,2,3 4,6;  Create a 2-D array vith two 2-D arrays, both containing two avoids the values 1,2,3 and 4,5,6.  Create a 2-D array vith two 2-D arrays, both containing two avoids the values 1,2,3 and 4,5,6.  Create a 2-D array vith two 2-D arrays, both containing two avoids the values 1,2,3 and 4,5,6.  Create a 2-D array vith 5 dimensions and verify that it has 5 dimensions and varify that it has 5 dimensions are a 2-D array vith 5 dimensions and verify that it has 5 dimensions.  Create an array with 5 dimensions and verify that it has 5 dimensions are a 2-D array vith 6 dimensions.  Create an array with 5 dimensions and verify that it has 5 dimensions.  Create an array with 5 dimensions and verify that it has 5 dimensions.  Create an array with 5 dimensions and verify that it has 5 dimensions.  Create an array with 5 dimensions and verify that it has 5 dimensions.  Create an array with 5 dimensions and verify that it has 5 dimensions.  Create an array with 5 dimensions and verify that it has 5 dimensions.  Create an array with 5 dimensions and verify that it has 5 dimensions.  Create an array with 5 dimensions and verify that it has 5 dimensions.  Create an array with 6 dimensions are following array.  Create an array with 6 dimensions are following array and additions.  Create an array with 6 dimensions are following array.  Access the 5th element on 2nd dim:  Create an array with 6 dimensions with 6 dimensions are following array.  Create an array with 6 dimensions with 6 dimensions are following array.  Create an array with 7 dimensions with 6 dimensions are following array.  Create an array with 7 dimensions are following array.  Create an array with 7 dimensions are following array.  Create an array with 7 dimensions are following array.  Create an array with 6 dimensions are following array.  Create an array with 6 dimensions are following array.  Create an array with 6 dimensions are following array.  Create an array with 6 dimensions are following a	Create a 2-D array containing two arrays with the volume 1,2,3,3  Create a 3-D array with two 2-D arrays, hoth containing two arrays with the volume 1,2,3,3  Create a 3-D array with two 2-D arrays, hoth containing two arrays with the volume 1,2,3,3 and 4,5,6  Create a 3-D array with two 2-D arrays, hoth containing two arrays with the volume 1,2,3,3 and 4,5,6  Create a 3-D array with 5 dimensions and verify that it has 5 and a success of the success of	Create a 2-D array containing two arrays with the values 1.2,3 (5,5).  Create a 3-D array with two 2-D arrays, both containing who arrays that the values 1.2,3 (6,5).  Create a 3-D array with two 2-D arrays, both containing who arrays that the values 1.2,5 and 1.50.  Create a 3-D array with two 2-D arrays, both containing who arrays that the values 1.2,5 and 1.50.  Create a 3-D array with 5-D arrays to 1.50.  Create a 3-D array with 5-D arrays to 1.50.  Create a 3-D array with 5-D arrays to 1.50.  Create a 3-D array with 5-D arrays to 1.50.  Create a 4-D array	arr = np.array([1, 2, 3, 4, 5])  print(arr)  [1 2 3 4 5]  Create a 2-D array containing to 4,5,6:  arr = np.array([[1, 2, 3], [4, 5, 6]])  print(arr)  [1 2 3] [4 5 6]]  Create a 3-D array with two 2-D with the values 1,2,3 and 4,5,6  arr = np.array([[[1, 2, 3], [4, 5, 6]])  print(arr)  [[[1 2 3] [4 5 6]]]  [[[1 2 3] [4 5 6]]]	wo arrays with	
with the values 1,2,3 and 4,5,6:  **Create an array with 5 dimensions the arrays have:  **Create an array with 5 dimensions and verify that it has 5 dimensions and verify that it has 5 dimensions.  **Create an array with 5 dimensions and verify that it has 5 dimensions.  **Create an array with 5 dimensions and verify that it has 5 dimensions.  **Create an array with 5 dimensions and verify that it has 5 dimensions.  **Create an array with 5 dimensions and verify that it has 5 dimensions.  **Create an array with 5 dimensions and verify that it has 5 dimensions.  **Create an array with 5 dimensions and verify that it has 5 dimensions.  **Create an array with 5 dimensions and verify that it has 5 dimensions.  **Create an array with 5 dimensions and verify that it has 5 dimensions.  **Create an array with 5 dimensions and verify that it has 5 dimensions.  **Create an array with 5 dimensions and verify that it has 5 dimensions.  **Create an array with 5 dimensions and verify that it has 5 dimensions.  **Create an array with 5 dimensions and verify that it has 5 dimensions.  **Create and the first of the second array of the first array.  **Create and the first element on 1st dim.  **Create an array with 6 dement of the second array of the first array.  **Create an array with 6 dimensions.  **Silice elements from the beginning to index 4 (not included):  **Create an array with 6 dimensions.  **Create an array with 12 dements from the end:  **Create an array with 6 dimensions.  **Create an array with 12 dements into a 2-D.  **Silice from the index 3 from the end to index 1 from the end:  **Create an array with 6 dimensions.  **Create an array with 6 dimension with 12 demension array with 13 dements.  **Create an array wi	with the values 1,2,3 and 4,5.6;  Check how many dimensions the arrays have:  Since a server of the	with the values 1,2,3 and 4,5,6;	<pre>with the values 1,2,3 and 4,5,6 arr = np.array([[[1, 2, 3], [4, 5, 6]     print(arr)  [[[1 2 3]</pre>		
The second secon	Treate an array with 5 dimensions and verify that it has 5 dimensions:  Create an array with 5 dimensions and verify that it has 5 dimensions:  Create an array with 5 dimensions and verify that it has 5 dimensions:  Create an array with 5 dimensions and verify that it has 5 dimensions:  Create an array with 5 dimensions and verify that it has 5 dimensions:  Create an array with 5 dimensions and verify that it has 5 dimensions:  Create an array with 5 dimensions and verify that it has 5 dimensions:  Create an array with 6 dimensions and verify that it has 5 dimensions:  Create an array with 6 dimensions and verify that it has 5 dimensions:  Create an array with 6 dimensions and verify that it has 5 dimensions:  Create an array with 6 dimensions and verify that it has 5 dimensions:  Create an array with 6 dimensions and verify that it has 5 dimensions:  Create an array with 6 dimensions and verify that it has 5 dimensions:  Create an array with 6 dimensions and verify that it has 5 dimensions:  Create an array with 6 dimensions and verify that it has 5 dimensions:  Create an array with 6 dimensions and verify that it has 5 dimensions:  Create an array with 6 dimensions and verify that it has 5 dimensions:  Create an array with 6 dimensions and verify that it has 5 dimensions:  Create an array with 6 dimensions and verify that it has 5 dimensions:  Create an array with 6 dimensions and verify that it has 5 dimensions:  Create an array with 6 dimensions and verify that it has 5 dimensions:  Create an array with 6 dimensions and verify that it has 5 dimensions:  Create an array with 6 dimensions and verify that it has 5 dimensions:  Create an array with 6 dimensions and verify that it has 5 dimensions:  Create an array with 6 dimensions and verify that it has 5 dimensions:  Create an array with 6 dimensions and verify that it has 5 dimensions:  Create an array with 6 dimensions and verify that it has 5 dimensions:  Create an array with 6 dimensions and verify that 6 dimensions:  Create an array with 6 dimensions and	The control of the co	-	], [[1, 2, 3], [4	, 5, 6]]])
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Get the second element from the following array.  Get third and fourth elements from the following array and addition.  Get third and fourth elements from the following array and addition.  Access the 2nd element on 1st dim:  Get apacters (1 = accid)  Access the 5th element on 2nd dim:  Get apacters (1 = accid)  Access the third element of the second array of the first array:  Get apacters (1 = accid)  Access the third element from the 2nd dim:  Get apacters (1 = accid)  Get apacters (1 = accid)  Access the third element from the 2nd dim:  Get apacters (1 = accid)  Get apacters (1 =	Case the second element from the following array and add hem.  Set 1974 May 1974 1975 1975 1975 1975 1975 1975 1975 1975	Get the second element from the following array.  Set third and fourth elements from the following array and add them.  Access the 2nd element on 1st dim:  Set = 30 array   1	dimensions:  arr = np.array([1, 2, 3, 4], ndmin=5)  print(arr) print('number of dimensions :', arr.n  [[[[1 2 3 4]]]] number of dimensions : 5  NumPy Array Indexing  Get the first element from the following	odim)	
Access the 2nd element on 1st dim:	Access the 2nd element on 1st dim:  27	Access the 2nd element on 1st dim:	Get the second element from the arr = np.array([1, 2, 3, 4])  print(arr[1])  Get third and fourth elements for the second element for the second element for the second element from the second elemen		
Access the third element of the second array of the first array:  Access the third element of the second array of the first array:  Access the third element from the 2nd dim:  Access the third element from the following array:  Access the third elements from the following array:  Access the third elements from the beginning to index 4 (not included):  Access the third elements from the beginning to index 4 (not included):  Access the third elements from the end to index 1 from the end:  Access the third element from the entire array:  Access the the data type of an array object:  Access the third element from the entire array:  Access the data type of an array object:	Access the third element of the second array of the first array:    Comparison   Co	Access the third element of the second array of the first array:  The second array of the second array of the first array:  The second array of the second array of the first array:  The second array of the second array of the second array:  The second array of the second array of the second array:  The second array of the second array of the second array:  The second array of the second array of the second array:  The second array of the second array of the second array:  The second array of the second array of the second array:  The second array of the second array:  The second array of the second array of the second array of the second array:  The second array of the second	<pre>print(arr[2] + arr[3])  Access the 2nd element on 1st  arr = np.array([[1, 2, 3, 4, 5], [6,     print('2nd element on 1st dim: ', arr  2nd element on 1st dim: 2</pre>	7, 8, 9, 10]]) ·[0, 1])	
NumPy Array Slicing  Slice elements from index 1 to index 5 from the following array:  arr = np array((, , , , , , , , , , , , , , ))  print (arr(i))  Slice elements from index 4 to the end of the array:  arr = np array((, , , , , , , , , , , , , , ))  print (arr(i))  Slice elements from the beginning to index 4 (not included):  arr = np array((, , , , , , , , , , , , , , , , ))  print (arr(i))  Slice from the index 3 from the end to index 1 from the end:  arr = np array((, , , , , , , , , , , , , , , , , ))  print (arr(i))  Return every other element from index 1 to index 5:  arr = np array((, , , , , , , , , , , , , , , , ))  print (arr(i))  Return every other element from the entire array:  arr = np array((, , , , , , , , , , , , , , , , ))  print (arr(i))  Make a copy, change the original array, and display both array  arr = np array((, , , , , , , , , , , , , , , , ))  print (arr dotype)  Make a copy, change the original array, and display both array  arr = np array((, , , , , , , , , , , , , , , , ))  print (arr dotype)  NumPy Array Shape  Print the shape of a 2-D array:  arr = np array((, , , , , , , , , , , , , , , , , , ))  print (arr shape)  Convert the following 1-D array with 12 elements into a 2-D array, The outermost dimension will have 4 arrays, each with 3 elements:	Since elements from index 1 to index 5 from the following array:  arr = ope array(1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	NumPy Data Types  Get the data type of an array object:  The reparety (1, 2, 2, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3,	print('5th element on 2nd dim: ', arr  5th element on 2nd dim: 10  Access the third element of the  arr = np.array([[[1, 2, 3], [4, 5, 6]  print(arr[0, 1, 2])	second array  [1, 4])  [1, 4])  [2]  [3]  [4]  [5]  [6]  [6]  [7]  [8]  [9]  [1]	-
arr = np.array (1, 2, 3, 3, 3, 3, 3)  Slice elements from the beginning to index 4 (not included):  arr = np.array (1, 3, 3, 3, 3, 3, 3)  Slice from the index 3 from the end to index 1 from the end:  arr = np.array (1, 3, 3, 3, 3, 3, 3)  Return every other element from index 1 to index 5:  arr = np.array (1, 3, 3, 3, 3, 3, 3)  Print arr (1, 3, 3, 3, 3, 3, 3, 3)  Return every other element from the entire array:  arr = np.array (1, 3, 3, 3, 3, 3, 3)  print arr (1, 3, 3, 3, 3, 3, 3, 3, 3)  Make a copy, change the original array, and display both array  arr = np.array (1, 3, 3, 3, 3, 3)  print arr (1, 3, 3, 3, 3, 3, 3)  arr = np.array (1, 3, 3, 3, 3, 3)  print the shape of a 2-D array:  arr = np.array (1, 3, 3, 3, 3, 3)  print the shape of a 2-D array:  arr = np.array (1, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3,	Silice elements from the beginning to index 4 (not included):  Arr = no_array((1, 2, 2, 2, 2, 2, 2, 2))  print(arr(2))  Silice from the index 3 from the end to index 1 from the end:  Arr = no_array((1, 2, 2, 2, 2, 2, 2))  Print(arr(2))  Return every other element from index 1 to index 5:  Arr = no_array((1, 2, 2, 2, 2, 2, 2))  Print(arr(2))  NumPy Data Types  Set the data type of an array object:  Arr = no_array((1, 2, 2, 2, 2, 2))  Arr = no_array((1, 2, 2, 2, 2, 2))  Print(arr(2))  Wake a copy, change the original array, and display both arrays  arr = no_array((1, 2, 2, 2, 2, 2))  NumPy Array Shape  Print the shape of a 2-D array:  arr = no_array((1, 2, 2, 2, 2, 2))  Print(arr)  P	arr = no.array([1, 1, 1, 1, 1])  Slice elements from the beginning to index 4 (not included):  arr = no.array([1, 1, 1, 1, 1, 1])  Slice from the index 3 from the end to index 1 from the end:  arr = no.array([1, 1, 1, 1, 1, 1])  Return every other element from index 1 to index 5:  arr = no.array([1, 1, 1, 1, 1, 1, 1])  Return every other element from the entire array:  arr = no.array([1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	arr = np.array([[1, 2, 3, 4, 5], [6,  print('Last element from 2nd dim: ',  Last element from 2nd dim: 10  NumPy Array Slicing  Slice elements from index 1 to index  arr = np.array([1, 2, 3, 4, 5, 6, 7])	7, 8, 9, 10]])  arr[1, -1])  5 from the follow	ing array:
rint(arr[::::])  Return every other element from index 1 to index 5:  arr = np.array([:, 3.3, 3.3, 3.3]) print(arr[::::])  Return every other element from the entire array:  arr = np.array([:, 3.3, 3.3, 3.3]) print(arr[:::])  NumPy Data Types  Get the data type of an array object:  arr = np.array([:, 3.3, 3.3]) print(arr.dtype)  Adke a copy, change the original array, and display both array  arr = np.array([:, 3.3, 3.3]) x = arr.copy() arr[] = 2 print(arr) print(x)  NumPy Array Shape  Print the shape of a 2-D array:  arr = np.array([:, 3.3, 3.3]) print(arr.shape)  NumPy Array Reshaping  Convert the following 1-D array with 12 elements into a 2-D array. The outermost dimension will have 4 arrays, each with 3 elements:	Return every other element from index 1 to index 5:  arr = np.array (1, 2, 3, 3, 3, 3, 3)  Return every other element from the entire array:  arr = np.array (1, 2, 3, 3, 3, 3, 3)  Return every other element from the entire array:  arr = np.array (1, 2, 3, 3, 3, 3, 3)  NumPy Data Types  Get the data type of an array object:  arr = np.array (1, 2, 3, 3, 3, 3)  arr = np.array (1, 2, 3, 3, 3, 3)  Array = np.array (1, 2, 3, 3, 3, 3)  Array = np.array (1, 2, 3, 3, 3, 3)  Array = np.array (1, 2, 3, 3, 3, 3)  NumPy Array Shape  Print the shape of a 2-D array:  arr = np.array (1, 2, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3,	arr = np array(1, 2, 2, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3, 3,	<pre>arr = np.array([1, 2, 3, 4, 5, 6, 7]) print(arr[4:])  [5 6 7]  Slice elements from the beginn arr = np.array([1, 2, 3, 4, 5, 6, 7])</pre>	ing to index 4	
arr = np.array([1, 2, 3, 4, 5, 6, 7])  print(arr[3:2])  3277  NumPy Data Types  Get the data type of an array object:  arr = np.array([1, 2, 3, 4])  print(arr, dtype)  4	print arr(s)  NumPy Data Types  Set the data type of an array object:  arr = np.array((, , , , , , , ))  print(arr.dtype)  Make a copy, change the original array, and display both arrays  arr = np.array((, , , , , , , ))  arr = np.array((, , , , , , , , ))  NumPy Array Shape  Print the shape of a 2-D array:  arr = np.array(((, , , , , , , , , , , , )))  print arr.shape  Convert the following 1-D array with 12 elements into a 2-D  array. The outermost dimension will have 4 arrays, each with 3 elements:  arr = np.array((, , , , , , , , , , , , , , , , , , ,	nrr = np.array([1, 1, 1, 1, 1, 1, 1, 1])  NumPy Data Types  Get the data type of an array object:  arr = np.array([1, 1, 1, 1, 1, 1])  print(arr.dtype)  Make a copy, change the original array, and display both arrays  arr = np.array([1, 1, 1, 1, 1, 1])  x = arr.copy()  arr([1] = 2  print(arr)  print(x)  NumPy Array Shape  Print the shape of a 2-D array:  arr = np.array([1, 1, 1, 1, 1, 1, 1])  print(arr.shape)  Array Reshaping  Convert the following 1-D array with 12 elements into a 2-D array. The outermost dimension will have 4 arrays, each with 3 elements:  arr = np.array([1, 1, 1, 1, 1, 1, 1, 1])  newarr = arr.reshape([1, 1, 1, 1, 1, 1])  print(mewarr)  Array Sorting Arrays  Sort the array:  arr = np.array([1, 1, 1, 1, 1, 1])  print(np.sort(arr))	<pre>arr = np.array([1, 2, 3, 4, 5, 6, 7]) print(arr[-3:-1])  [5 6]  Return every other element from arr = np.array([1, 2, 3, 4, 5, 6, 7])</pre>	m index 1 to ir	
Make a copy, change the original array, and display both array  arr = np.array([1, 2, 3, 4, 5]) x = arr.copy() arr[8] = 42  print(arr) print(x)  22 2 1 4 5]  NumPy Array Shape  Print the shape of a 2-D array:  arr = np.array([[1, 2, 3, 4], [5, 6, 7, 8]]) print(arr.shape)  22 3)  NumPy Array Reshaping  Convert the following 1-D array with 12 elements into a 2-D array. The outermost dimension will have 4 arrays, each with 3 elements:	Make a copy, change the original array, and display both arrays  arr = np.array([1, 2, 3, 4, 5])  x = arr.copy()  arr[1] = 42  print(arr) print(x)  NumPy Array Shape  Print the shape of a 2-D array:  arr = np.array([1, 2, 3, 4], [5, 6, 7, 8]]) print(arr.shape)  NumPy Array Reshaping  Convert the following 1-D array with 12 elements into a 2-D array. The outermost dimension will have 4 arrays, each with 3 elements:  arr = np.array([1, 2, 3, 4, 5, 6, 7, 8, 8, 10, 11, 12])  newarr = arr.reshape([1, 2, 3, 4, 5, 6, 7, 8, 8, 10, 11, 12])  NumPy Sorting Arrays  Sort the array:  arr = np.array([1, 2, 3, 1])	Make a copy, change the original array, and display both arrays  arr = np.array([[, ], ], ], [])  x = arr.copy()  arr[[] = 4  print(arr)  print(x)   Print the shape of a 2-D array:  arr = np.array([[, ], ], [], [], [], []])  print(arr.shape)   NumPy Array Reshaping  Convert the following 1-D array with 12 elements into a 2-D array. The outermost dimension will have 4 arrays, each with 3 elements:  arr = np.array([[, ], [, ], [, ], [, ], [, ], [], [], [	arr = np.array([1, 2, 3, 4, 5, 6, 7])  print(arr[::2])  [1 3 5 7]  NumPy Data Types  Get the data type of an array object:		rray:
Print the shape of a 2-D array:  arr = np.array([[1, 2, 3, 4], [5, 6, 7, 8]])  print(arr.shape)  2, 4)  NumPy Array Reshaping  Convert the following 1-D array with 12 elements into a 2-D array. The outermost dimension will have 4 arrays, each with 3 elements:	Print the shape of a 2-D array:  arr = np.array([[1, 2, 3, 4], [9, 0, 7, 8]])  print(arr.shape)  Convert the following 1-D array with 12 elements into a 2-D array. The outermost dimension will have 4 arrays, each with 3 elements:  arr = np.array([1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12])  newarr = arr.reshape(4, 3)  print(newarr)  [[1 2 3] [1 2 3] [1 2 3] [2 3 2 2 2]  NumPy Sorting Arrays  Sort the array:  arr = np.array([3, 2, 0, 1])	Print the shape of a 2-D array:  arr = np.array([[1, 2, 3, 4], [5, 5, 7, 5]])  print(arr.shape)  NumPy Array Reshaping  Convert the following 1-D array with 12 elements into a 2-D array. The outermost dimension will have 4 arrays, each with 3 elements:  arr = np.array([1, 2, 3, 4, 5, 6, 7, 8, 8, 10, 11, 12])  newarr = arr.reshape(4, 3)  print(newarr)  [1	Make a copy, change the origin  arr = np.array([1, 2, 3, 4, 5])  x = arr.copy()  arr[0] = 42  print(arr)	al array, and o	display both array
	<pre>arr = np.array([1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12]) newarr = arr.reshape(4, 3) print(newarr)  [[</pre>	<pre>arr = np.array([1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12]) newarr = arr.reshape(4, 3) print(newarr)  [</pre>	Print the shape of a 2-D array:    arr = np.array([[1, 2, 3, 4], [5, 6,   print(arr.shape)    (2, 4)  NumPy Array Reshaping  Convert the following 1-D array array. The outermost dimension	with 12 eleme	
print(newarr)  [[ 1	arr = np.array([3, 2, 0, 1])	<pre>arr = np.array([3, 2, 0, 1]) print(np.sort(arr))  [0 1 2 3]</pre>	<pre>arr = np.array([1, 2, 3, 4, 5, 6, 7, newarr = arr.reshape(4, 3)  print(newarr)  [[1 2 3] [4 5 6] [7 8 9] [10 11 12]]  NumPy Sorting Arrays</pre>	8, 9, 10, 11, 12]	