

Program 4

October 25, 2022

1 PROGRAM 4

Aim : Write a numpy program to create an array with values ranging from 1 to 15 and do the following operations.

- a) Find size of the array
- b) Update its 8th element
- c) Reverse the array
- d) Convert it into 7 x 2 matrix ##### Date :10/08/2022 ##### By :Anu C Scharia

```
[1]: import numpy as np
arr=np.arange(1,15)
print("The array is ",arr)
print("The size of the array is ",arr.size)
num=int(input("Enter number to update the 8th element :"))
arr[8]=num
print("The updated array is :",arr)
print("The reversed array is :",arr[::-1])
newarr=arr.reshape(7,2)
print("The 7*2 matrix is :\n",newarr)
```

The array is [1 2 3 4 5 6 7 8 9 10 11 12 13 14]

The size of the array is 14

Enter number to update the 8th element :33

The updated array is : [1 2 3 4 5 6 7 8 33 10 11 12 13 14]

The reversed array is : [14 13 12 11 10 33 8 7 6 5 4 3 2 1]

The 7*2 matrix is :

```
[[ 1  2]
 [ 3  4]
 [ 5  6]
 [ 7  8]
 [33 10]
 [11 12]
 [13 14]]
```