

Python Programming

Lab Assignment – 15

Numpy

Assignment Questions:

1) Convert the below list into numpy array then display the array

input my_list = [1,2,3,4,5]

2) Convert the below list into a numpy array then display the array then display the first and last index and then multiply each enrollment by 2 and display the result.

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input my_list = [1,2,3,4,5]

Sol :

```
my_list = [1,2,3,4,5]
```

```
number_arr = list(my_list)
```

```
print("The number array list = ", number_arr)
```

2) Convert the below list into a numpy array then display the array then display the first and last index and then multiply each enrollment by 2 and display the result.

Input my_list = [1,2,3,4,5]

Sol :

```
my_list = [1,2,3,4,5]
```

```
print("Original list = ", my_list)
```

```
print("First Index Value =",my_list[0])
```

```
print("Last Index value = ",my_list[-1])
```

```
result = [x*2 for x in my_list]
```

```
print("List after Multiplication = ",result)
```