

EXERCISE 1 - addition of 2 numpy arrays

Create 2 array of 2D and perform the addition by every element

EXERCISE 2 - Array datatype conversion

Convert all the elements of a numpy array from float to integer datatype

```
a = np.array([[2.5, 3.8, 1.5],  
              [4.7, 2.9, 1.56]])
```

EXERCISE 3 - Obtaining Boolean Array from Binary Array

Convert a binary numpy array (containing only 0s and 1s) to a boolean numpy array

```
a = np.array([[1, 0, 0],  
              [1, 1, 1],  
              [0, 0, 0]])
```

EXERCISE 4 - Matrix Generation with one particular value

Output a matrix (numpy array) of dimension 2-by-3 with each and every value equal to 5

EXERCISE 5:

```
np.random.seed(42)
```

```
M = np.random.randint(10, size=(2,2,10))
```

```
print(M)
```

- Print the last element from each internal array.
[[4 1]
 [3 3]]
- Print even index element from the second internal array.
[3 7 5 1 5]
- Print every element with odd index from each internal array.
[[[3 4 9 6 4]
 [7 2 4 7 1]]]

```
[[0 5 0 2 3]
 [2 2 4 6 3]]]
```