1 Dimensional Array

```
In [ ]: import numpy as np
```

1 Dimensional Array of Integers

1 Dimensional Array of Strings

```
In [ ]: arr1=np.array(["Hello","World"])
    print(arr1)
    print(type(arr1))
    print(f"dimensions of {arr1} is {arr1.shape}")
    print(f"type of elements of {arr1} is {arr1.dtype}")

['Hello' 'World']
    <class 'numpy.ndarray'>
    dimensions of ['Hello' 'World'] is (2,)
    type of elements of ['Hello' 'World'] is <U5</pre>
```

1 Dimensional Array of Integers and Strings

2 Dimensional Array

```
[[1 2 3]
  [4 5 6]
  [7 8 9]]
dimensions of arr2 are (3, 3)
number of elements of arr2 are 9
type of elements of arr2 are int32
```

1 Dimensional Array with specific Data Type

Saving Array to a File

Loading File from an array

```
In [ ]: loaded_array=np.load("numpy_array.npy")
    print(f"{loaded_array}")
    print(f"dimensions = {loaded_array.shape}")
    print(f"Number of Elements = {loaded_array.size}")

[[1 2 3]
    [4 5 6]
    [7 8 9]]
    dimensions = (3, 3)
    Number of Elements = 9
```