

# Array Creation in NumPy

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In [4]: EXP : 5
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In [6]: #Aim : Creating Array using Numpy
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#Sec: C  
#Subject:ET - 1
```

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In [1]: import numpy as np
```

```
In [2]: array_1d = np.array([1, 2, 3, 4, 5])  
print(array_1d)  
  
[1 2 3 4 5]
```

```
In [3]: array_2d = np.array([[1, 2, 3], [4, 5, 6]])  
print(array_2d)  
  
[[1 2 3]  
 [4 5 6]]
```

```
In [28]: zeros_array = np.zeros((3, 3))  
print(zeros_array)  
  
[[0. 0. 0.]  
 [0. 0. 0.]  
 [0. 0. 0.]]
```

```
In [30]: ones_array = np.ones((2, 4))  
print(ones_array)  
  
[[1. 1. 1. 1.]  
 [1. 1. 1. 1.]]
```

```
In [32]: range_array = np.arange(0, 10, 2) # Start, stop, step  
print(range_array)  
  
[0 2 4 6 8]
```

```
In [34]: random_array = np.random.rand(3, 3)  
print(random_array)  
  
[[0.89743244 0.43720833 0.39334732]  
 [0.32787296 0.82278559 0.73122355]  
 [0.37835969 0.14104503 0.20597111]]
```

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In [ ]:
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