6. Create an array with random values. Determine the size of the memory occupied by the array.

In [ ]:
```
import numpy as np
arr = np.random.rand(4,4)
```

In [ ]:
```
print("Original array:")
print(arr)
```

```
Original array:
[[0.10537584 0.22212124 0.15700531 0.4602863 ]
 [0.50353771 0.03169854 0.13928517 0.66194737]
 [0.51018266 0.30854466 0.74824986 0.97740671]
 [0.46033461 0.62955231 0.74623917 0.36022978]]
```

In [ ]:
```
print("Size: ",arr.size)
print("Memory size of one array element in bytes: ",arr.itemsize)
print("Memory size of the array in bytes: ",arr.size*arr.itemsize)
```

```
Size:  16
Memory size of one array element in bytes:  8
Memory size of the array in bytes:  128
```