

## Problem 2

Create a null vector of size 10 but the fifth value which is 1

```
import numpy as np
Z = np.zeros(10)
Z[4] = 1
print(Z)
```

## Problem 3

Create a vector with all integer values ranging from 10 to 49

```
import numpy as np
Z = np.array(range(10, 50))
print(Z)
```

## Problem 4

Create a 3x3 matrix with values ranging from 0 to 8

```
import numpy as np
Z = np.arange(0,9).reshape(3,3)
print(Z)
```

## Problem 5

Create a 3x3x3 array with random values (you can use `np.random.random`)

```
import numpy as np
Z = np.random.random(27).reshape(3,3,3)
print(Z)
```