```
In [4]:
         np.ones((5,5))
Out[4]: array([[1., 1., 1., 1., 1.],
                [1., 1., 1., 1., 1.],
                [1., 1., 1., 1., 1.],
                [1., 1., 1., 1., 1.]
                [1., 1., 1., 1., 1.]
In [94]: print("hey there i am vasim")
         hey there i am vasim
In [95]: import numpy as np
         np.zeros((3,3))
Out[95]: array([[0., 0., 0.],
                [0., 0., 0.],
                [0., 0., 0.]])
In [3]: import numpy as np
         list=[5,1,2,5,2,5,5]
         arr=np.array(list)
         arr
Out[3]: array([5, 1, 2, 5, 2, 5, 5])
```

```
In [8]: import numpy as np
         np.random.seed(15)
         arr=np.random.randint(1,200,10)
         arr
         arr.max()
         arr.min()
         arr.sum()
         arr.mean()
         arr.argmax()
         arr.argmin()
         arr.reshape(5,2)
Out[8]: array([[141, 134],
                [120, 129],
                [157, 156],
                [ 86, 119],
                [176, 18]])
In [12]: mat= np.arange(0,100).reshape(10,10)
         mat
Out[12]: array([[ 0, 1, 2, 3, 4, 5, 6, 7, 8, 9],
                [10, 11, 12, 13, 14, 15, 16, 17, 18, 19],
                [20, 21, 22, 23, 24, 25, 26, 27, 28, 29],
                [30, 31, 32, 33, 34, 35, 36, 37, 38, 39],
                [40, 41, 42, 43, 44, 45, 46, 47, 48, 49],
                [50, 51, 52, 53, 54, 55, 56, 57, 58, 59],
                [60, 61, 62, 63, 64, 65, 66, 67, 68, 69],
                [70, 71, 72, 73, 74, 75, 76, 77, 78, 79],
                [80, 81, 82, 83, 84, 85, 86, 87, 88, 89],
                [90, 91, 92, 93, 94, 95, 96, 97, 98, 99]])
```