Q1: NumPy stands for?

A: Num= numerical Py= Python

Q2:NumPy developed by?

A:Travis Oliphant

Q3:Where Numpy data is stored?

A:nd-Array= n-dimensional Array

Q3:Advantage?

A:

1. We (+,\*) Array with single line.
2. It’s Vectorized
3. Reading writng of array could be saved in it.
4. Igon value can be calculated.
5. Stores data in contigous Block of Memory

Q4: Vectorized operation?

A:Every Index Array Would Multiply with another at once

Q5:Contigous block?

A:Stores data in sequence

Q6:Link list is Contigous or Non-Contigous?

A:Data Stored randomly in an array.(Non-contigously)

Q7:Why %time used for?

A:It gives execution time of a line

Q8:numpy methods?

* np.zeros((4,4)):

Creates an (4X4) array where all elements are 0.

* np.ones((4,4))

Creates an (4X4) array where all elements are 1.

* np.empty((7,7))

Creates an (7X7) array where any elements can be placed.

* np.array(( 4,4))

Converts list into array.

* range():python method
* arange(par1,par2,par3):numpy method

1. Par1:inital range
2. Par2:final range
3. Par3:step size(number after which first index number starts.

* Np.shape()

Return length of shape

* Var.dtype()

Gives data type of variable.

* Var.ndim

Gives dimension of variable.