NUMPY ARRAY
ASSIGNMENTS

Q.1 Write a program that accepts 10 number for one-dimensional array and
transfer the positive number to another one-dimensional array

Q.2 What Advantages Do Numpy Arrays Offer Over (nested) Python Lists?

Q.3 What Is The Preferred Way To Check For An Empty (zero Element) Array?

Q.4 How Do I Find The Indices Of An Array Where Some Condition Is True?

Q.5 How Do I Count The Number Of Times Each Value Appears In An Array Of Integers?

Q.6 Write a NumPy program to find common values between two arrays

Q.7 Write a NumPy program to reverse an array (first element becomes last)

Q.8 Write a NumPy program to create a 2d array with 1 on the border and 0 inside.

Q.9 Write a NumPy program to test whether each element of a 1-D array is also present in a second array

Q.10 Write a NumPy program to find the union of two arrays.

Q.11 Write a NumPy program to find the memory size of a NumPy array.

Q.12 Write a NumPy program to create a new array of 4*4, filled with 0

Q.13 Write a NumPy program to create a 3-D array with ones on a diagonal and zeros elsewhere.

Q.14 Write a NumPy program to how to add an extra column to an numpy array.

Q.15 Write a NumPy program to remove specific elements(based on given index position) in a numpy 1D array

Q.16 What advantages do NumPy arrays offer over (nested) Python lists?

Q.17 Create a 4X2 integer array and Prints its attributes

Q.18 Following is the given numpy array return array of odd rows and even columns

sampleArray = numpy.array([[3 ,6, 9, 12], [15 ,18, 21, 24],
[27 ,30, 33, 36], [39 ,42, 45, 48], [51 ,54, 57, 60]])

Q. Print max from axis 0 and min from axis 1 from a 2 dimensional array

Q.20 Transpose the elements of a Numpy 2D array

Q.21 Find the sum of column elements values of a Numpy 2D array

Q.22 Find the sum of row elements of a Numpy 2D array

Q.23 Find the largest elements of a Numpy 2D array