**Numpy**

# It is the fundamental package for scientific computation

# It is a python library that provides a multidimensional array object

# It is useful to perform various operations like mathematical,logical,shape manipulations,sorting etc…..

🡪 To insert multiple values in array

🡪 To delete multiple values based on the index position

🡪 To insert based on the index value to add the elemnt into array

# Syntax:np.insert(array\_to\_be\_modified,index\_position,values in list or tuple)

🡪 Delete from an array1

🡪 To delete number of values in array

**Filters**

🡪Print the values < 20 and values >50

🡪for and operation using &

🡪for or operation use

🡪 To create array full of zeroes

🡪 To create 1d array full of zeros

🡪 To create 2d array full of zeros

#Syntax -->np.zeros([num\_of\_rows,num\_of\_cols])

🡪 To create array full of ones

🡪 Type convert the element in to the array

🡪To find the numpy data type of element present in array-->dtype

🡪 To create one's with int dtype