Numpy

Perform addition of two numpy array

import numpy as np study duration1=np.array([4,5,2,3,5,4,6]) study duration2=np.array([1,2,5,3,2,2,1]) total duration1=study duration1+study duration2 print("total study duration using + operator", total_duration1) total duration2=np.add(study duration1,study duration2) print("total study duration using add() function", total duration2)

In the similar manner execute: subtract(), multiply(), divide ()

Finding exponential





























number_exponent2=np.power(number_array,2)

print("exponent using power() function", number exponent2)

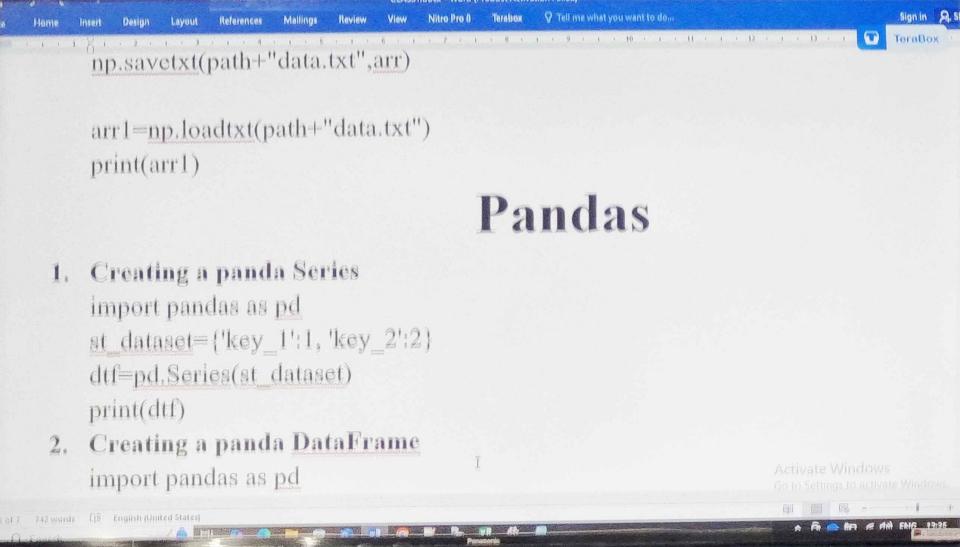
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. Finding mean

TeraBox

import numpy as np number array=np.array([4,5,2,3,5,6])reshaped number array=np.reshape(number array,(2,3)) print("\n actual array \n", number array) print("\n reshaped array \n", reshaped number array)

Save nympy array in different format and load it



Creating a panda Series

import pandas as pd st dataset={'key 1':1, 'key 2':2} dtf=pd.Series(st dataset) print(dtf)

Creating a panda DataFrame

import pandas as pd st dataset={'st name':['Varun','Aftab','Dipika'], 'email':['varun@gmail.com','aftab@rediff.com','dipika@yahoo.com']} dtf=pd.DataFrame(st dataset) print(dtf) Counting the number of rows (length of any key) of a dataframe

import pandas as pd