Write the bunction of Factorial of a number. number = pinalint (uput (Enter Journamber)) if number == 0: print (Foretorial is 1) for (in range (1, runbert): 1/1,6

factorial = factorial * i

printf('The factorial of', number, 'is', factorial) To call a function; torial_value(num): for i in range (1, num #1): factorial = factorial * i -return feeterial

Numerical Nython, new py Numpy arrays have 2 advantages over list z (i) Numpy avorage allows several moetheratical operations to be performed on the (ii) Operations on numb py ès way np-array = np. array ([1,2,3,4]) muit (Inp-orray) [1,2,3,4] 1- dimensional Array. a = np.array ([1,2,3,4] Means 4 Columns 10= np.array (L(1,2,3,4 upe in nimpy arrays-[[(1,2,3,4), (5,6,7,8)] C = many npiavray n = np.zeros (4,5) [0,0,0,0,0. print (x) 10.0.0.0. 10.0.0.0.7 0.0.0.0.0.

I Array of Random Values; b=np.random.random (3/4) print (6) Gray of random int values with d = np. random. (atadint (3,5) = np. random. randint (10,100, (3,5) [11,59 68 54 87] 96 16 58 86 83 (8759.9942

Array of Evenly Spacked Values. Specifying the oc = no. linspace (10,30,6) print (9) // (10,14,18,22,26,30) Array of Evenly spaced values, specifying the slep. [10,15,20,25] 103 Converting Lists to Array np_array = np. asarray (list 11 Shape of baray = C. shape NO of Element of Array C. Size chelle datalises Mothematic Operations of an Ap mp. nultiply (orb) np. divide (a,b). trans2 - prova array.

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