Enumerated Iteration Valuet indenumeratel) Enumeration means mentioning sequence number of somethings one by one. Sometimes me require corresponding inclese of the sometimes me require corresponding inclese of the element while iterating, the indemumeratel) method com be used for those usecases. 1) rembet unable of control (ass = sb. assen ([13]) for ida, x in up. odenumerate (aro): point (udx ox) Oulput (0,) 1 (11) 2 (2)3 impact unastal or sub as= sb. assent ([[]15/3/1])[210/3/8]]) for iga's in sib. eigenrenerge (del): Output rooms (udman) (0,0) 1 may review (0,1) 2 (0,2)3 14 1 (0,3)4 13/12 (1,0)5 (11) 6 (1,2)7 (113)8

Numpy Joining Associ 1) Join Awo arosays: amport numpy as mp ass1 = np. assay([1,213]) 0225 = 20 b. 0220 on ([A120] are = ub· concatenate ((aut) aus)) Louint (ass) 016 [123426] 2) Join Aus 2 Doursant alongs rows (axis = I) imbact enrubol as sub aro 1 = np. aroay ([[1,2], [3,4]]) ass5= 26 assort ([[212]] [318]]) ours = np. concatenate (1 and 1 are 2), anise I Loging (does) Output [[1256] 12 (15) [3478] Joining Arrays Using Stack Functions oes 1 = 20 b. sassal ([1,5/3]) isoboot unable who ase 5 = 20 b. aceand ([A' 219]) are = np. stack ((are1, are2), axis=1) beint (due) Output [[14] [25] [3 6]]

Stacking Along Rows Numpy provides a relper function: Be hatack! to stack along rows. - 20gmin du so holuma + soduis des 1 = 26. des ag ([1/5/3]) ares = eb. aread ([A, 2, 6]) arr= np. hstack ((arrd 1, arr 2)) point (arri) Julput 2.00de-12 [123456] Stacking Along Columns Numpy poorvides a helper function: vstack() to stack along columns imbost snowbid or sub ass 1 = ub. assart ([11513]) ass 5 = wh. assemy (EA'2! (1) ask = ssb. nexuck ((des) sales 5)) being (aree Orespect T[123] [456]] Stacking Along Height (depth) Numby provides a helper femction? detacks as depoth. du so hetrerre produci and = wb, assar ([1, 2,3] 2382 = mp. arroy([415,6] Boin Flash deta All arrol arrol

Output
[[134]
[25]
[36]]