

```
1 # zip() Function
2
3 """
4 zip():
5     --> The purpose of zip() is to map the similar index of multiple
6     containers so that they can be used just using as single entity.
7     """
8
9 zipping
10 """
11 names = ['Abhishek', 'Jonas', 'Kora']
12 marks = [90, 55, 78]
13 first_zip = zip(names, marks)
14 print(list(first_zip))
15
16 # initializing lists
17 name = [ "Manjeet", "Nikhil", "Shambhavi", "Astha" ]
18 roll_no = [ 4, 1, 3, 2 ]
19 marks = [ 40, 50, 60, 70 ]
20
21 # using zip() to map values
22 mapped = zip(name, roll_no, marks)
23
24 # converting values to print as set
25 mapped = set(mapped)
26
27 # printing resultant values
28 print (f"The zipped result is : {mapped}")
29
30 """
31 Unzipping
32 """
33 name, roll_no, marks = zip(*mapped)
34 print(name)
35 print(roll_no)
36 print(marks)
37
```