

Experiment 9

AIM

Write a Python program to convert a list of tuples into a dictionary

Description

zip():

The zip() function returns a zip object, which is an iterator of tuples where the first item in each passed iterator is paired together, and then the second item in each passed iterator are paired together etc.

▼ Program

```
details = ['Name','Age','Education','Address']
person1 = ['Ravi',14,'Xth','Delhi']
# Create list of tuples
list_of_tups = list(zip(details,person1))
print(list_of_tups)
# Create dictionary
dictionary = dict(list_of_tups)
print(dictionary)

[('Name', 'Ravi'), ('Age', 14), ('Education', 'Xth'), ('Address', 'Delhi')]
{'Name': 'Ravi', 'Age': 14, 'Education': 'Xth', 'Address': 'Delhi'}
```



```
person2 = ['Anuj',16,'XIIth','Noida']
person3 = ['Ram',14,'Xth','Delhi']
# Create list of tuples
l2 = list(zip(person1,person2,person3))
print(l2)
l3 = list(zip(details,l2))
print(l3)
# Create dictionary
dictionary = dict(l3)
print(dictionary)

[('Ravi', 'Anuj', 'Ram'), (14, 16, 14), ('Xth', 'XIIth', 'Xth'), ('Delhi', 'Noida',
[('Name', ('Ravi', 'Anuj', 'Ram')), ('Age', (14, 16, 14)), ('Education', ('Xth', 'XI
{'Name': ('Ravi', 'Anuj', 'Ram'), 'Age': (14, 16, 14), 'Education': ('Xth', 'XIIth',
```

▼ Conclusion

Hence, we have zipped two lists details and person1 using zip() function then created a dictionary using the new list l1. After that, we created a new list l2 by zipping 3 lists: person1, person2, person3. Then zipped that list with another list details. And finally, created a dictionary from that list.

Evaluation

Criteria	Total Marks	Marks Obtained	Comments
Concept(A)	2		
Implementation(B)	2		
Performance(C)	2		
Total	6		