

# LAB 7

## Task 1: Program to map two lists into a dictionary

### Program Logic

1. Declare an empty dictionary
2. Declare two lists
3. Iterate the for loop to create the dictionary A. for key B for value
4. Print the dictionary

In [2]:

```
myDict = {}  
key_list = ["A", "B", "C", "D", "E"]  
value_list = ["Apple", "Banana", "Cat", "Dog", "Elephant"]  
  
final_dict = {key_list[i]:value_list[i] for i in range(len(key_list))}  
  
print ("Final Dictionary is {}".format(final_dict))
```

Final Dictionary is {'A': 'Banana', 'B': 'Banana', 'C': 'Banana', 'D': 'Banana', 'E': 'Banana'}

In [ ]:

## Task 2: Program to map one list into dictionary

### Program Logic

1. Define a function to convert list into dictionary
2. using dictionary comprehension
3. Declare list
4. print the list

In [3]:

```
def converter(list):  
    myDict={list[i]: list[i+1] for i in range(0,len(list),2)}  
    return myDict  
  
myList = ["A", "Apple", "B", "Banana", "C", "Cat", "D", "Dog", "E", "Elephant"]  
print(converter(myList))
```

{'A': 'Apple', 'B': 'Banana', 'C': 'Cat', 'D': 'Dog', 'E': 'Elephant'}

In [ ]: