

# Q1: write a program to remove duplicate elements from a list in Python while preserving the original order?

hint:You can use a combination of a list comprehension and a conditional check to remove

```
In [8]: li1=["ajith","krishna","Neymar","ajith"]
li2=[]

for i in li1:
    if i not in li2:
        li2.append(i)
li1=li2
print(li1)

['ajith', 'krishna', 'Neymar']
```

# Q2: write a program to iterate over a dictionary and its values in Python?

```
In [40]: details={"name":"Ajith","age":26,"place":"palakkad"}

for key, value in details.items():
    print("Key = ",key,"Value= ",value)

Key =  name Value=  Ajith
Key =  age Value=  26
Key =  place Value=  palakkad
```

# Q3: write a program to merge multiple dictionaries into a single dictionary in Python?

```
In [32]: dict1={"name":"ajith","age":26,"place":"palakkad"}
dict2={"Gmail":"ajith@gmail.com","gender":"male","id":123}
dict3={"course":"BSC.CS","skills":"Python","language":"English"}

dict1.update(dict2)
dict1.update(dict3)
print(dict1)

{'name': 'ajith', 'age': 26, 'place': 'palakkad', 'Gmail': 'ajith@gmail.com', 'gender': 'male', 'id': 123, 'course': 'BSC.CS', 'skills': 'Python', 'language': 'English'}
```

# Q4: write a program to convert a list of tuples into a dictionary in Python?

```
In [41]: details=[("name","ajith"),("age",26),("place","palakkad")]

print(dict(details))

{'name': 'ajith', 'age': 26, 'place': 'palakkad'}
```

# Q5: write a program to sort a list of tuples based on multiple keys in Python?

```
In [43]: details=[("name","ajith"),("age",26),("place","palakkad")]
print(sorted(details))

[('age', 26), ('name', 'ajith'), ('place', 'palakkad')]
```

# Q6: write a program to find the maximum and minimum values in a dictionary in Python?

```
In [51]: details=[("Iphone",100000),("samsung",25000),("nokia",1000)]
x=dict(details)

y=x.values()

z=x.values()

print("Maximum of the Value = ",max(y))
print("minimum of the Value = ",min(z))

Maximum of the Value =  100000
minimum of the Value =  1000
```

In [ ]: