Python dictionary

Q1. Below are the two lists. Write a python program to convert those into a dictionary in a way that item from list1 is the key and item from list2 is the value

In [3]:
```
keys=['Ten','Twenty','Thirty']
value=[10,20,30]
res_dict=dict(zip(keys,value))
print(res_dict)
```

```
{'Ten': 10, 'Twenty': 20, 'Thirty': 30}
```

Q2. Write a python program to merge two python dictionaries into one

In [8]:
```
dict1={'Ten': 10, 'Twenty': 20, 'Thirty': 30}
dict2={'Thirty': 30, 'Forty': 40,'Fifty': 50}

dict3={**dict1, **dict2}
print(dict3)
```

```
{'Ten': 10, 'Twenty': 20, 'Thirty': 30, 'Forty': 40, 'Fifty': 50}
```

Q3. Write a python progam to create a new dictonary by extracting the mentioned keys from the below dictionary

In [17]:
```
sample_dict={"name": "Kelly", "age": 35, "salary": 8000, "city": "New York"}
keys={"name","salary"}
newDict={k: sample_dict[k] for k in sample_dict}
print(newDict)
```

```
{'name': 'Kelly', 'age': 35, 'salary': 8000, 'city': 'New York'}
```

Q4. Delete a list of keys from a given dictionary

In [24]:
```
A={"name": "Kelly", "age": 35, "salary": 8000, "city": "New York"}
B=["name","salary"]
A={k: A[k] for k in A.keys() - B}
print(A)
```

```
{'age': 35, 'city': 'New York'}
```

Q5. Write a python program to check if value 200 exists in the following dictionary sample_dict={'a': 100, 'b': 200, 'c': 300}

In [26]:
```
sample_dict={'a': 100, 'b': 200, 'c': 300}
if 200  in sample_dict.values():
    print("200 present in a dict")
else:
    print("200 present in a dict")
```

```
200 present in a dict
```

Q6. Write a prgram to rename a key city to a location in the following dictionary sample_dict= {"name": "Kelly", "age": 35, "salary": 8000, "city": "New York"}

In [27]:
```
sample_dict={"name": "Kelly", "age": 35, "salary": 8000, "city": "New York"}
sample_dict['location'] = sample_dict.pop('city')
print(sample_dict)
```

```
{'name': 'Kelly', 'age': 35, 'salary': 8000, 'location': 'New York'}
```

Q7. Write a python prgram to change brad's salary to 8500 in the follwing dictionary. sample_dict= {'emp1': {'name': 'John', 'salary': 7500}, 'emp2': {'name': 'Emma', 'salary': 8000}, 'emp3': {'name': 'brad', 'salary': 500}}

In [31]:
```
sample_dict={'emp1': {'name': 'John', 'salary': 7500}, 'emp2': {'name': 'Emma', 'salary
sample_dict['emp3']['salary'] = 8500
print(sample_dict)
```

```
{'emp1': {'name': 'John', 'salary': 7500}, 'emp2': {'name': 'Emma', 'salary': 8000}, 'em
p3': {'name': 'brad', 'salary': 8500}}
```

Q8. Write a python prgram to initialize dictionary with default values employees=['Kelly','Emma'] defaults={'Designation': 'Developer', 'salary': 8000}

In [37]:
```
employees=['Kelly','Emma']
defaults={"Designation": "Developer", "salary": 8000}

res=dict.fromkeys(employees, defaults)
print(res)

#individual data
print(res["Kelly"])
```

```
{'Kelly': {'Designation': 'Developer', 'salary': 8000}, 'Emma': {'Designation': 'Develop
er', 'salary': 8000}}
{'Designation': 'Developer', 'salary': 8000}
```

In [ ]:
```

```