In [4]:

```
# 1)Write a Python program to check a dictionary is empty or not
dic={}
if len(dic)<1:
    print("Dictionary is empty")
else:
    print("Dictionary is not empty")
```

```
Dictionary is empty
```

In [13]:

```
#2)Write a Python program to remove duplicates from Dictionary.
dic={"A":1,"B":1,"C":2,"D":3,"E":3}
temp=[]
res={}
for key,value in dic.items():
    if value not in temp:
        temp.append(value)
        res[key]=value
print(res)
```

```
{'A': 1, 'C': 2, 'D': 3}
```

In [18]:

```
# 3}Write a Python program to get a dictionary from an object's fields
class A:
    def __init__(self):
        self.A=1
        self.B=2
        self.C=3
        self.D=4
obj=A()
print(vars(obj))
```

```
{'A': 1, 'B': 2, 'C': 3, 'D': 4}
```

In [25]:

```
#4)Write a Python program to get the maximum and minimum value in a dictionary.
shop={"Rin soap":59,"Chocalate":150,"Ice creame":250,"Water can":15}
values=shop.values()
print(f'the maximum values of {max(values)}')
print(f'The Minimum values of {min(values)}')
```

```
the maximum values of 250
The Minimum values of 15
```

In [52]:

```
# 5)Write a Python script to sort (ascending and descending) a dictionary by Values
course={"Python":40,"Data Science":35}
Aescending=list(course.values())
Descending=list(course.values())
print(Aescending[::-1])
print(Descending)
```

```
[35, 40]
[40, 35]
```

In [58]:

```
# 6)Write a Python script to add a key to a dictionary.
juice={"Apple":15,"Orange":20}
juice["Mango"]=30
juice
```

Out[58]:

```
{'Apple': 15, 'Orange': 20, 'Mango': 30}
```

In [59]:

```
# 7)Write a Python script to concatenate following dictionaries to create a new one.
dic1={"Python":25,"Java":55}
dic2={"Go":60,"Andorid":90}
dic3={}
dic3.update(dic1)
dic3.update(dic2)
dic3
```

Out[59]:

```
{'Python': 25, 'Java': 55, 'Go': 60, 'Andorid': 90}
```

In [ ]:

In [ ]: