

In [10]:

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# 1.Write a Python program to remove duplicates from a list

colors=["yellow","red","blue","yellow"]

colors.remove("yellow")
print(colors)

['red', 'blue', 'yellow']
```

In [21]:

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#2.Swap two tuples in Python

tuple1=(11,22)
tuple2=(99,88)
tuple3=tuple1
tuple1=tuple2
tuple2=tuple3
print(tuple1,tuple2)

(99, 88) (11, 22)
```

In [90]:

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#3.Write a python program to sort dictionary by values (Ascending/ Descending).

student={"ajith":95,
          "amal":55,
          "raju":100,
          "anandu":45
        }
x=sorted(student.items(),key=lambda x:x[1])
y=sorted(student.items(),key=lambda y:y[1],reverse=True)

x=dict(x)
print("Ascending order",x)

y=dict(y)
print("Descending order",y)

Ascending order {'anandu': 45, 'amal': 55, 'ajith': 95, 'raju': 100}
Descending order {'raju': 100, 'ajith': 95, 'amal': 55, 'anandu': 45}
```

In [100]:

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#4.Write a Python program to print the numbers of a specified list after removing even numbers from it.(use list comprehension)

list1 = [7,8, 120, 25, 44, 20, 27]

a=list(filter(lambda x:x%2!=0,list1))
print(a)

[7, 25, 27]
```

In [93]:

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#5.Write a Python program to count the number of strings where the string length is 2 or more and the first and last character are same from a given list of strings.

li=['abc', 'xyz', 'aba', '1221']
y=0
for i in li:
    if len(i)>2 and i[0]==i[-1]:
        y=y+1
print(y)

2
```

In [96]:

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#6.Write a Python program to convert list to list of dictionaries.
#Sample lists: ["Black", "Red", "Maroon", "Yellow"], ["#000000", "#FF0000", "#800000", "#FFFF00"]

#Expected Output: [{'color_name': 'Black', 'color_code': '#000000'}, {'color_name': 'Red', 'color_code': '#FF0000'}, {'color_name': 'Maroon', 'color_code': '#800000'}, {'color_name': 'Yellow', 'color_code': '#FFFF00'}]

ColorName=["black","red","maroon","yellow"]
ColorCode=["#000000","#ff0000","80000","fffff00"]

join=zip(ColorName,ColorCode)
print(dict(join))

{'black': '#000000', 'red': '#ff0000', 'maroon': '80000', 'yellow': 'fffff00'}
```

In []: