In [1]:
```python
list=[1,2,3,4,5,6]
print(list)
```

```
[1, 2, 3, 4, 5, 6]
```

In [3]:
```python
list[2]=10
print(list)
```

```
[1, 2, 10, 4, 5, 6]
```

In [5]:
```python
1  list[1:3]=[89,78]
2  print(list)
```

```
[1, 89, 78, 4, 5, 6]
```

In [10]:
```python
a=[2,3,4,5,6,7,8,9,10]
b=[20,30]
print(b*3)
5 in a
2 not in a
```

```
[20, 30, 20, 30, 20, 30]
```

Out[10]: False

In [11]:
```python
list=[1,2,3,4,5,6,7,8,9,10]
for i in list:
    print(i)
```

```
1
2
3
4
5
6
7
8
9
10
```

In [15]:
```python
Empty_list=[]
n=int(input("enter the number of elements in the list:"))
for i in range(0,n):
    Empty_list.append(input("enter the item:"))
    print("printing the list items..")
    for i in Empty list:
        print(i,end="")
```

```
  File "<ipython-input-15-4baf8b5c1bc1>", line 6
    for i in Empty list:
                      ^
SyntaxError: invalid syntax
```

In [26]:
```python
list1=[1,2,3,55,98,65,65,13,13,29]
list2=[]
for i in list:
    if i not in list2:
        list2.append(i)
print(list2)
```

```
[1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
```

In [29]:
```python
list=[3,4,5,9,10,12,24]
sum=0
for i in list1:
    sum=sum+i
print("The sum is:",sum)
```

```
The sum is: 344
```

In [39]:
```python
thislist=["apple","bannana","cheery"]
for x in thislist:
    print(x)
```

```
apple
bannana
cheery
```

In [38]:
```python
thislist=["apple","banana","cherry"]
print(thislist)
```

```
['apple', 'banana', 'cherry']
```

In [44]:
```python
a="1,2,3,4,5"
print(a.replace("1","6"))
print(a.replace("2","7"))
```

```
6,2,3,4,5
1,7,3,4,5
```

In [41]:
```python
x=10
y=20
x,y=y,x
print(x)
print(y)
```

```
20
10
```

In [47]:
```python
cars=["ford","volvo"]
cars[0]="Toyato"
x=len(cars)
cars.append("honda")
cars.remove("volvo")
```

In [ ]: