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LAB 3

In [1]:
```python
list=["Meow","Dipisha","Shivangi","Car",21052752]
list.append("Priya")
print(list)
list.remove("Shivangi")
print(list)
```

```
['Meow', 'Dipisha', 'Shivangi', 'Car', 21052752, 'Priya']
['Meow', 'Dipisha', 'Car', 21052752, 'Priya']
```

In [2]:
```python
list=["Meow","Dipisha","Shivangi","Car",21052752]
list.insert(2,"Hello")
print(list)
list.pop(5)
print(list)
```

```
['Meow', 'Dipisha', 'Hello', 'Shivangi', 'Car', 21052752]
['Meow', 'Dipisha', 'Hello', 'Shivangi', 'Car']
```

In [3]:
```python
list1=["orange","apple","kiwi","apple","apple"]
z="apple"
i=len(list1)-1
while i>=0:
    if list1[i]==z:
        list1.remove(z)
    i=i-1
print(list1)
```

```
['orange', 'kiwi']
```

In [4]:
```python
list=["Meow","Dipisha","Shivangi","Car",21052752]
list1=["orange","apple","kiwi","apple","apple"]
list2=list1+list
print(list2)
```

```
['orange', 'apple', 'kiwi', 'apple', 'apple', 'Meow', 'Dipisha', 'Shiv
angi', 'Car', 21052752]
```

In [5]:
```python
list = ["orange", "apple", "kiwi", "apple", "apple"]
temp=list[0]
list[0]=list[4]
list[4]=temp
print(list)
```

```
['apple', 'apple', 'kiwi', 'apple', 'orange']
```

In [6]:
```python
list = ["orange", "apple", "kiwi", "apple", "apple"]
temp=list[2]
list[2]=list[3]
list[3]=temp
print(list)
```

['orange', 'apple', 'apple', 'kiwi', 'apple']

In [7]:
```python
list = ["orange", "apple", "kiwi", "apple", "apple"]
temp=list[4]
list[4]=list[1]
list[1]=temp
print(list)
```

['orange', 'apple', 'kiwi', 'apple', 'apple']

In [8]:
```python
a=42
b=45
if a<b:
    print("b is max")
else:
    print("A is Max")
```

b is max

In [9]:
```python
list2=["apple","orange","banana","mango","cherry","kiwi","melon"]
if "mango" in list2:
    print("yes")
```

yes

In [10]:
```python
list1=["apple","orange","banana"]
list1.reverse()
print(list1)
```

['banana', 'orange', 'apple']

In [11]:
```python
list = ["orange", "apple", "kiwi", "apple", "apple"]
x="apple"
c=0
for i in range(len(list)):
    if list[i]==x:
        c=c+1
print(c)
```

3

In [12]:
```python
list=[1,2,3,4,5,6]
x=0
y=0
for i in range(len(list)):
    if x<list[i]:
        x=list[i]
        if y<x and y>list[i]:
            print(y)
```

In [13]:
```python
list=[1,2,3,4,5,6,7,8,9,0]
a=0
b=0
for x in range(len(list)):
    if list[x]%2==0:
        a=a+1
    else:
        b=b+1
print(a)
print(b)
```

```
5
5
```

In [15]:
```python
list=[1,2,-3,4,-5,6,-7,8,9,0]
a=0
b=0
for x in range(len(list)):
    if list[x]>0:
        a=a+1
    else:
        b=b+1
print(a)
print(b)
```

```
6
4
```

In [ ]: