**FUNCTIONS**

**1.TO CREATE A EMPTY LIST AND STORE THE ELEMENTS**

mylist=[]

n=int(input("enter any number:"))

for x in range(n):

num=int(input("enter a number:"))

mylist.append(num)

print("my updated list is :",mylist)

**OUTPUT:**

enter any number:5

enter a number:10

enter a number:20

enter a number:30

enter a number:40

enter a number:50

my updated list is : [10, 20, 30, 40, 50]

**2.TO ACCESSING AND REMOVING ELEMENT FROM A LIST**

l=[10,20,30,"milky",(10+20j),True,1]

print(l[3])

print(l[-3])

print(l[1:4])

print(l)

l.remove(30)

print(l)

**OUTPUT:**

milky

(10+20j)

[20, 30, 'milky']

[10, 20, 30, 'milky', (10+20j), True, 1]

[10, 20, 'milky', (10+20j), True, 1]

**3.TO FIND MIN,MAX AND LENGTH OF A LIST**

l=[10,20,30,40,60,True,1]

print(len(l))

print(l)

print(max(l))

print(min(l))

**OUTPUT:**

7

[10, 20, 30, 40, 60, True, 1]

60

True

**4.TO FIND SUM OF THE ELEMENTS IN A LIST**

mylist=[10,20,0,55,15]

sum=0

for i in mylist:

sum=sum+i

print("the sum is:",sum)

**OUTPUT:**

the sum is: 100

**5.TO ACCEPT A STRING AND CONVERTED INTO A LIST**

s=input("enter the string : ")

print(s.split())

**OUTPUT:**

enter the string : python is very simple programming language

['python', 'is', 'very', 'simple', 'programming', 'language']

**6.TO ACCEPT N NUMBES AND STORE THEM IN LIST,THEN PRINT THE LIST WITHOUT ODD NUMBERS IN IT**

n=int(input("enter the value of n:"))

mylist=[]

for i in range(n):

num=int(input("enter a number:"))

mylist.append(num)

print("even numbers are")

print("[",end="")

for num in mylist:

if num%2==0:

print(num,end=" ")

print("]")

**OUTPUT:**

enter the value of n:5

enter a number:12

enter a number:11

enter a number:14

enter a number:15

enter a number:8

even numbers are

[12 14 8 ]

**7.TO REMOVE SPECIFIC ELEMENT REVERSE THE LIST,COPY THE LIST INTO ANOTHER LIST**

list=[10,20,30,"milky",True,0,(10+20j),False,1,True]

print(list)

x=list.copy()

print(x)

list.pop(3)

print(list)

del list[2]

print(list)

list.reverse()

print(list)

list.clear()

print(list)

**OUTPUT:**

[10, 20, 30, 'milky', True, 0, (10+20j), False, 1, True]

[10, 20, 30, 'milky', True, 0, (10+20j), False, 1, True]

[10, 20, 30, True, 0, (10+20j), False, 1, True]

[10, 20, True, 0, (10+20j), False, 1, True]

[True, 1, False, (10+20j), 0, True, 20, 10]

[]