1.source code

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)

input out put

enter any number:5

enter a number:4

enter a number:5

enter a number:6

enter a number:7

enter a number:8

my updated list is: [4, 5, 6, 7, 8]

2.source code

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

print(l[3])

print(l[-2])

print(l[1:4])

print(l)

l.remove(30)

print(l)

input output

vijay

True

[20, 30, 'vijay']

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

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

3.source code

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

print(len(l))

print(l)

print(max(l))

print(min(l))

input out put

7

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

60

True

4.source code

mylist=(8,2,3,0,7)

sum=0

for i in mylist:

sum=sum+i

print("the sum is:",sum)

input out put

the sum is: 20

5.source code

s=input("enter the string:")

print(s.split())

input out put

['python', 'is', 'very', 'easy', 'learing', 'program']

6.source code

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("]")

input out put

enter the value of n:5

enter a number:23

enter a number:24

enter a number:56

enter a number:67

enter a number:89

even numbers are

[ 24,56,]

7.source code

list=[10,20,30,"vijay",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)

input out put

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

[10, 20, 30, 'vijay', 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]

[]