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**Assignment on Lists**

**Program 1**

players = ['virat']

*#using append 5 times*

players.append('venkatesh')

players.append('manish pandey')

players.append('dhoni')

players.append('dhawan')

players.append('rohit')

print(players)

**Output**

['virat', 'venkatesh', 'manish pandey', 'dhoni', 'dhawan', 'rohit']

**Program 2**

list=[]

while True:

    x=int(input("Enter integer element of list ,press -1 to exit "))

    if(x==-1):

        break

    list.append(x)

x=int(input("Enter a number whose frequency is to be found "))

count = list.count(x)

print('Count of',x,'is', count)

**Output**

Enter integer element of list ,press -1 to exit 5

Enter integer element of list ,press -1 to exit 6

Enter integer element of list ,press -1 to exit 6

Enter integer element of list ,press -1 to exit 6

Enter integer element of list ,press -1 to exit 7

Enter integer element of list ,press -1 to exit 6

Enter integer element of list ,press -1 to exit -1

Enter a number whose frequency is to be found 6

Count of 6 is 4

**Program 3**

list=[]

while True:

    x=int(input("Enter integer element of list ,press -1 to exit "))

    if(x==-1):

        break

    list.append(x)

list.sort()

print(list)

**Output**

Enter integer element of list ,press -1 to exit -2

Enter integer element of list ,press -1 to exit -3

Enter integer element of list ,press -1 to exit 99

Enter integer element of list ,press -1 to exit 87

Enter integer element of list ,press -1 to exit 100

Enter integer element of list ,press -1 to exit 5

Enter integer element of list ,press -1 to exit 6

Enter integer element of list ,press -1 to exit -1

[-3, -2, 5, 6, 87, 99, 100]

**Program 4**

list=[]

while True:

    x=int(input("Enter integer element of list ,press -1 to exit "))

    if(x==-1):

        break

    list.append(x)

y=int(input("Enter index of element you want to find "))

try:

    print("Index is",list.index(y))

except:

    print("Index not found")

**Output**

Enter integer element of list ,press -1 to exit 5

Enter integer element of list ,press -1 to exit 6

Enter integer element of list ,press -1 to exit 6

Enter integer element of list ,press -1 to exit 7

Enter integer element of list ,press -1 to exit 8

Enter integer element of list ,press -1 to exit -1

Enter index of element you want to find 7

Index is 3

**Program 5**

list=[]

list1=[1,2,3]

list2=[-1,-3,-2]

list.append(list1)

list.append(list2)

print(list)

a=[]

while(1):

    b=[]

    choice=input("enter choice yes or no ")

    if(choice=="no"):

        break

    while(1):

        x=int(input("enter a number,enter -1 to exit "))

        if(x==-1):

            break

        b.append(x)

    a.append(b)

print(a)

**Output**

[[1, 2, 3], [-1, -3, -2]]

enter choice yes or no yes

enter a number,enter -1 to exit 4

enter a number,enter -1 to exit 5

enter a number,enter -1 to exit 6

enter a number,enter -1 to exit -1

enter choice yes or no yes

enter a number,enter -1 to exit 7

enter a number,enter -1 to exit 8

enter a number,enter -1 to exit 9

enter a number,enter -1 to exit -1

enter choice yes or no no

[[4, 5, 6], [7, 8, 9]]

**Program 6**

l1=[]

l2=[]

while True:

    x=input("Enter element of list 1 1,press -1 to exit ")

    if(x=="-1"):

        break

    l1.append(x)

while True:

    x=input("Enter element of list 2,press -1 to exit ")

    if(x=="-1"):

        break

    l2.append(x)

fl=0

if(len(l1)!=len(l2)):

    print("Not same list")

    fl=-1

else:

    for i in range(len(l1)):

        if(l1[i]!=l2[i]):

            fl=1

            break

if fl==0:

    print("Same List")

elif fl==1:

     print("Not same list")

**Output**

Enter element of list 1 1,press -1 to exit 5

Enter element of list 1 1,press -1 to exit 6

Enter element of list 1 1,press -1 to exit 8

Enter element of list 1 1,press -1 to exit -1

Enter element of list 2,press -1 to exit 5

Enter element of list 2,press -1 to exit 6

Enter element of list 2,press -1 to exit 8

Enter element of list 2,press -1 to exit -1

Same List

