**#1. Reverse of dictionary program in Python**

dic={"key1":"value1","key2":"value2","key3":"value3"}

dic2={}

for i,j in dic.items():

dic2[j]=i

print (dic2)

**#2.Reverse of a string in python**

string="hello"

print(string[-1:-6:-1])

**#3. List append program in Python**

lis=[1,2,3,4,5]

lis.append(6)

print(lis)

**#4. Number occurrence program in Python**

lis=[1,2,3,4,5,4]

b=lis.count(4)

print(b)

**#5.Creation of Nested lists**

lis=[1,2,3,4,5,4]

lis.append([1,2,3,4])

print(lis)

**#6.Extending a list**

lis=[1,2,3,4,5]

lis.extend([1,2,3,4])

print (lis)

output: [1, 2, 3, 4, 5, 1, 2, 3, 4]

**#7 Returning the list index of a number**

lis=[1,2,3,4,5]

number=lis.index(5)

print (number)

output:4

**#8.Program small task**

lis=[]

for i in range(2000,3200):

if(i%7==0):

if(i%5!=0):

lis.append(i)

print(lis)

**#9.Inserting a number at some index:**

lis=[1,2,3,4,5,6,7]

lis.insert(4,8)

print(lis)

**#10.Sorting a list**

lis=[1,3,2,4,6,5,7,0]

lis.sort()

print(lis)

**#11.Reverse of a list**

lis=[1,3,2,4,6,5,7,0]

lis.reverse()

print(lis)

**#12.Set union**

set1={1,3,4}

set2={5,6,7}

print(set1|set2)

**#13.Concatinating a tuple**

tuple1=(1,2,3,4,5,6)

tuple2=(6,7,8,2)

print(tuple1+tuple2)

**#14.Set intersection**

set1={1,3,4}

set2={5,6,7}

print(set1&set2)

**#15.Changing the array to a list:**

from array import \*

array1=array('i',[1,2,3,4,6])

lis=list(array1)

print(lis)

**#16.Appending the items from the specified list**

lis=[1,2,3,4,5]

lis2=[]

length=len(lis)

for i in range(length):

lis2.append(lis[i])

print (lis2)

**#17.Inserting an element in the array before second element:**

from array import \*

array1=array('i',[1,2,3,4,5])

array1.insert(1,10)

for i in array1:

print (i)