PYTHON ASSIGNMENT: 4

1. Write a Python Program to find all the values in the list are greater than a specified number.

mylist=[int(i) for i in input("Enter List Elements").split(" ")]

a=int(input("Enter specified Number"))

print([i for i in mylist if i>a])

2. Write a Python Program to find the list of words that are longer than n from a given list of words.

mystr=input("Enter your String").split()

n=int(input("Enter Number:"))

print([i for i in mystr if len(i)>n])

3. Write a Python program to print the numbers of a specified list after removing even numbers from it.

mylist=input("Enter List").split()

print([int (i) for i in mylist if((int(i)%2)!=0)])

4. Write a Python Program to generate all permutations of list in Python.

import itertools

mylist= input("Enter your list").split()

print(list(itertools.permutations(mylist)))

5. Write a Python Program to convert a list of characters into a string.

mylist=input("Enter your list").split()

print("".join(mylist))

6. Write a Python Program to get the largest number from a list.

mylist=input("Enter your list: ").split()

mylist.sort()

print(mylist[len(mylist)-1])

7. Write a Python Program to remove duplicates from a list.

mylist=input("Enter your list: ").split()

mylist1=[]

for i in mylist:

if(i not in mylist1):

mylist1.append(i)

print(mylist1)

8. Write a Python Program to find the second smallest number in a list.

mylist=input("Enter your list: ").split()

myset=set(mylist)

mylist=list(myset)

mylist.sort()

print(mylist[len(mylist)-2])

9. Write a Python Program to count the number of elements in a list within a specified range.

mylist=input("Enter your Elements").split()

a,b =input("Enter range").split()

mylist.sort()

print([i for i in mylist if (i>a and i<b)])

10. Write a Python Program to convert a list of multiple integers into a single integer.

mylist=input("Enter your elements").split()

mystr="".join(mylist)

print(int(mystr))

11. WAPP to make a flat list out of list of lists.

mylist=[[1,2,3],[1,2],[5,6]]

mylist1=[];

for i in mylist:

mylist1.extend(i)

print(mylist1)