1. Requested file:

Write a Python code to store the name and age of the employee of an organisation in the dictionary from user, where name is "Key" and age is the "value".

Find the number of employees whose age is greater than 25 and display them.

Case=1

Input=

Enter number of persons:5

enter name:Lalitha

enter age:25

enter name:Ramya

enter age:28

enter name:Mounica

enter age:30

enter name:Raju

enter age:30

enter name:Ramesh

enter age:23

output=

Employees age greater than 25

Ramya 28

Mounica 30

Raju 30

count = 3

case=2

input=

Enter number of persons:4

enter name:Ramu

enter age:22

enter name:Ravi

enter age:21

enter name:Ranjana

enter age:24

enter name:Rani

enter age:25

output=

Employees age greater than 25

count = 0

Code:

n=int(input("Enter number of persons:"))

emp = {}

for i in range(n):

name=input("enter name:")

age=int(input("enter age:"))

emp[name]=age

c=0

print("Employees age greater than 25")

for k,v in emp.items():

if v > 25:

c=c+1

print(k,v)

print("count =",c)

Test cases

Case=1

Input=

5

Lalitha

25

Ramya

28

Mounica

30

Raju

30

Ramesh

23

Output=

Enter number of persons:

enter name:

enter age:

enter name:

enter age:

enter name:

enter age:

enter name:

enter age:

enter name:

enter age:

Employees age greater than 25

Ramya 28

Mounica 30

Raju 30

count = 3

case=2

input=4

Ramu

22

Ravi

21

Ranjana

24

Rani

25

output=

Enter number of persons:

enter name:

enter age:

enter name:

enter age:

enter name:

enter age:

enter name:

enter age:

Employees age greater than 25

count = 0

1. Requested file:

Write a program that rotates all the elements in a list 2 elements to the left, with the first element rotating to the end. For instance, if the list is [1,2,3,4], it would rotate into [3,4,1,2].

Case=1

Input=

Enter list of elements:1 3 2 4 5 6

Output=

Actual list: [1, 3, 2, 4, 5, 6]

After rotation: [5, 6, 1, 3, 2, 4]

Case=2

Input=

Enter list of elements:21 32 43 54 65 76

Output=

Actual list: [21, 32, 43, 54, 65, 76]

After rotation: [65, 76, 21, 32, 43, 54]

Code:

list1 = [int(x) for x in input("Enter list of elements:") .split()]

print("Actual list:",list1)

list2 = []

for item in range(len(list1) - 2, len(list1)):

list2.append(list1[item])

for item in range(0,len(list1) - 2):

list2.append(list1[item])

print("After rotation:",list2)

Test cases:

Case=1

Input=1 3 2 4 5 6

Output=

Enter list of elements:

Actual list: [1, 3, 2, 4, 5, 6]

After rotation: [5, 6, 1, 3, 2, 4]

Case=2

Input=21 32 43 54 65 76

Output=

Enter list of elements:

Actual list: [21, 32, 43, 54, 65, 76]

After rotation: [65, 76, 21, 32, 43, 54]

1. Requested file:

Write a program which will find all such numbers which are divisible by 7 but are not a multiple of 5,

Between given range (including start and end numbers). Store them in a list and display.

Case=1

Input=

Enter starting number:25

Enter end number:110

Output=

[28, 42, 49, 56, 63, 77, 84, 91, 98]

Case=2

Input=

Enter starting number:112

Enter end number:147

Output=

[112, 119, 126, 133, 147]

Code:

start=int(input("Enter starting number:"))

end=int(input("Enter end number:"))

l=[]

for i in range(start,end+1):

if (i%7==0) and (i%5!=0):

l.append(i)

print(l)

Test cases:

Case=1

Input=25

110

Output=

Enter starting number:

Enter end number:

[28, 42, 49, 56, 63, 77, 84, 91, 98]

Case=2

Input=112

147

Output=

Enter starting number:

Enter end number:

[112, 119, 126, 133, 147]