<u>Dashboard</u> / My courses / <u>CD19411-PPD-2022</u> / <u>WEEK_05-Lists</u> / <u>WEEK-05_CODING</u>

Started on	Monday, 25 March 2024, 6:58 PM
State	Finished
Completed on	Monday, 25 March 2024, 7:22 PM
Time taken	24 mins 35 secs
Marks	5.00/5.00
Grade	50.00 out of 50.00 (100 %)
Name	JEESHAN R J 2022-CSD-A

```
Question 1
Correct
Mark 1.00 out of 1.00
```

Create a program that reads integers from the user until a -99 is entered. Once all of the integers have been read your program should display all of the negative numbers, followed by all of the zeros, followed by all of the positive numbers. Within each group, the numbers should be displayed in the same order that they were entered by the user. For example, if the user enters the values 3, -4, 1, 0, -1, 0, and -2 then your program should output the values -4, -1, -2, 0, 0, 3, and 1. Your program should display each value on its own line.(-99 is not included in the final display)

Sample Input

0

5

10

-15

-20

-99

Sample Output

-15

-20

0

5

10

For example:

Input	Result
0	-15
5	-20
10	0
-15	5
-20	10
-99	

```
x=int(input())
2
    n=0
3
    arr=[0]
    while(x!=-99):
5
        arr[n]=x
6
        x=int(input())
7
        arr.append(x)
8
        n=n+1
9
    t=0
10 •
    for i in range(0,n):
        for j in range(i,n):
11 •
12 🔻
            if(arr[i]>arr[j]):
```

	Input	Expected	Got	
~	0 5 10 -15 -20 -99	-15 -20 0 5	-15 -20 0 5 10	~
~	10 20 30 -40 -50 0	-40 -50 0 10 20 30	-40 -50 0 10 20 30	~

Passed all tests! ✔

Correct

Marks for this submission: 1.00/1.00.

Correct
Mark 1.00 out of 1.00
An array is monotonic if it is either monotone increasing or monotone decreasing . An array A is monotone increasing if for all i <= j, A[i] <= A[j]. An array A is monotone decreasing if for all i <= j, A[i] >= A[j].
Write a program if n array is monotonic or not. Print "True" if is monotonic or "False" if it is not. Array can be monotone increasing or decreasing.
Input Format:
First line n-get number of elements
Next n Lines is the array of elements
Output Format:
True ,if array is monotone increasing or decreasing.
otherwise False is printed
Sample Input1
4
5
6
7
8
Sample Output1
True
Sample Input2
4
6
5
4
3
Sample Output2
True
Sample Input 3
4
7
8
7
Sample Output3
False
For example:

Question ${f 2}$

Input	Result
4	True
6	
5	
4	
3	

```
n=int(input())
 2
    1=[]
3 v for i in range (0,n):
        a=int(input())
5
        1.append(a)
   c=0
6
7 v for i in range(0,n-1):
8 🔻
       if(l[i]>l[i+1]):
 9
            c=c+1
10
    c1=0
11 v for i in range(0,n-1):
        if(l[i]<l[i+1]):</pre>
12 ▼
13
            c1=c1+1
14 ▼ if(c+1==n or c1+1==n):
15
       print("True")
16 v else:
17
        print("False")
```

	Input	Expected	Got	
~	4 6 5 4 3	True	True	~
~	4 3 5 7 9	True	True	~
~	4 1 6 9 2	False	False	~
~	4 9 6 4 2	True	True	~
~	3 2 1 4	False	False	~

Question **3**

Correct

Mark 1.00 out of 1.00

Consider the following program statement:

One needs to first input a set of N number of ALPHABETIC Strings each representing a name of a student in an array studname [N]. Assume each string can be Max. 40 Character Long. Subsequently, one needs to input Marks obtained by those students in another array marks [N]. Assume that studname[I] i.e. ith student in the list of student names has obtained Marks [I] in the Marks List. You need to find out and print the Max Marks obtained by a student and also print the name of the student who has obtained this marks. Considering here both the arrays of size 5. Complete the program by filling up required code in editable section.

Sample Test Cases

Test Case 1

Input

Amit

Bratin

Sandip

Sundar

Patrick

34

48

23

16 45

Output

48

Bratin

Test Case 2

Input

Amit

Bratin

Sandip

Sundar

Patrick

49

48

34

23

45

Output

49

Amit

For example:

Input	Result
Amit	90
Bratin	Bratin
Sandip	
Sundar	
Patrick	
89	
90	
45	
67	
82	
1	I

```
a=[0]
2 | a-[0]
3 v | for i in range(0,5):
4 | x=input()
 5 a.append(x)
6 for i in range(0,5):
 7
         y=int(input())
 8
         ar.append(y)
 9
    maxi=0
10 v for i in range(0,5):
11 ▼
         if(ar[i]>maxi):
12
               maxi=ar[i]
13
    n=ar.index(maxi)
print(ar[n])
print(a[n])
```

	Input	Expected	Got	
~	Amit Bratin Sandip Sundar Patrick 89 90 45 67	90 Bratin	90 Bratin	*
~	Amit Bratin Sandip Sundar Patrick 34 48 23 16 45	48 Bratin	48 Bratin	~

Question 4

Correct

Mark 1.00 out of 1.00

Write a Python program that takes two lists and returns True if they have at least one common member.

First line of input contains List 1

Second line of input contains List 2

Output is True if there is atleast one common element, false if no common elements

For example:

Input					Result
10	20	30	40	50	True
12	25	85	40	21	

Answer: (penalty regime: 0 %)

```
a=input()
2
   b=input()
   l1=list(a.split(" "))
3
   l2=list(b.split(" "))
4
5
   c=0
6 v for i in l1:
7 🔻
        for j in 12:
8 •
            if i==j:
9
                c=c+1
10 v if(c!=0):
        print("True")
11
12 v else:
        print("False")
13
```

	Input	Expected	Got	
~	10 20 30 40 50 12 25 85 40 21	True	True	~
~	1 2 3 4 5 7 8 9 10 11	False	False	~
~	10 20 30 20 20 30	True	True	~

Passed all tests! 🗸

Correct

Marks for this submission: 1.00/1.00.

```
Question 5
Correct
Mark 1.00 out of 1.00
```

Write a program that reads integers from the user and stores them in a list. Your program should continue reading values until the user enters 0. Then it should display all of the values entered by the user (except for the 0) in ascending order, with one value appearing on each line. Use either the sort method or the sorted function to sort the list.

Sample Input

```
20
30
40
50
10
```

```
Sample Output

10
20
30
40
50
```

For example:

Input	Result
20	10
30	20
40	30
50	40
10	50
0	

```
x=int(input())
2
   a=[0]
3
   n=0
4
    while(x!=0):
5
        a[n]=x
6
        x=int(input())
7
        a.append(x)
8
        n=n+1
9
    t=0
10 •
   for i in range(0,n):
11 •
        for j in range(i,n):
12 🔻
            if(a[i]>a[j]):
13
                t=a[i]
14
                a[i]=a[j]
15
                a[j]=t
16 v for i in range(0,n):
17
        print(a[i])
```

	Input	Expected	Got	
~	20	10	10	~
	30	20	20	
	40	30	30	
	50	40	40	
	10	50	50	
	0			
~	22	11	11	~
	33	22	22	
	44	33	33	
	11	44	44	
	55	55	55	
	0			

Passed all tests! 🗸

Correct

Marks for this submission: 1.00/1.00.

■ Week-05_MCQ

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WEEK-05-Extra ►