

GitHub Dashboard

Week6\_Coding: Attempt review

Not secure rajalakshmicolleges.org/moodle/mod/quiz/review.php?attempt=14935&cmid=103

REC-PS

Question 1  
Correct  
Mark: 1.00 out of 1.00  
Flag question

Complete the program to count frequency of each element of an array. Frequency of a particular element will be printed once.

Sample Test Cases

Test Case 1

Input

```
7
23
45
23
56
45
23
40
```

Output

```
23 occurs 3 times
45 occurs 2 times
56 occurs 1 times
40 occurs 1 times
```

Answer: (penalty regime: 0 %)

```
1 from collections import Counter
2 n=int(input())
3 p=[int(input()) for i in range(n)]
4 s=Counter(p)
5 for num,count in s.items():
6     if count==1:
7         print(f'{num} occurs 1 times')
8     else:
9         print(f'{num} occurs {count} times')
10
```

Input	Expected	Got

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Input

5  
67  
80  
45  
97  
100  
50

Output

50 is not present in the array.

Answer: (penalty regime: 0 %)

```
1 x= int(input())
2 a=[int(input()) for i in range(x)]
3 y=int(input())
4 locations=[-1 for i in range(x) if a[i]==y]
5 occurrence=len(locations)
6 if locations:
7     for location in locations:
8         print(f"{y} is present at location {location}.")
9     print(f"{y} is present {occurrence} times in the array.")
10 else:
11     print(f"{y} is not present in the array.")
```

	Input	Expected	Got	
✓	4 5 6 5 7 5	5 is present at location 1. 5 is present at location 3. 5 is present 3 times in the array.	5 is present at location 1. 5 is present at location 3. 5 is present 3 times in the array.	✓
✓	5 67 80	80 is not present in the array.	80 is not present in the array.	✓

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2  
2  
1  
3

Answer: (penalty regime: 0 %)  
1 x=input()  
2 y=[int(input()) for i in range(x)]  
3 t=set(y)  
4 for a in y:  
5 t.add(a)  
6 bw=" ".join(map(str, sorted(t)))  
7 print(bw)

	Input	Expected	Got	
✓	5 1 2 2 3 4	1 2 3 4	1 2 3 4	✓
✓	6 1 1 2 2 3 3	1 2 3	1 2 3	✓

Passed all tests! ✓

Correct  
Marks for this submission: 1.00/1.00

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3	
3	1
1	
2	
1	

Answer: (penalty regime: 0 %)

```
1 x= int(input())
2 y= int(input()) for i in range(x):
3     b=sum(y)
4     left_sum=0
5     for a in range(x):
6         b-=y[a]
7         if left_sum == 0:
8             print(a)
9             break
10        left_sum+=y[a]
```

	Input	Expected	Got	
✓	4 1 2 3 3	2	2	✓
✓	3 1 2 1	1	1	✓

Passed all tests! ✓

Correct

Marks for this submission: 1.00/1.00

For example:

Input	Result
10 3	5
10 5	0
1 1	1

Answer: (penalty regime: 0 %)

```
1 print(input())
2 print(input())
3 factors=[1 for i in range(1,n-1) if n%i==0]
4 s=sorted(factors)
5 if len(s):
6     print(s[-1])
7 else:
8     print(0)
```

	Input	Expected	Got	
✓	10 3	5	5	✓
✓	10 5	0	0	✓
✓	1 1	1	1	✓

Passed all tests! ✓

Correct

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0  
8  
Sample Output:  
[[1, 3, 2, 4], [5, 7, 6, 8]]  
Answer: (penalty regime: 0 %)  
1 n = int(input())  
2 m = int(input())  
3 list1 = [int(input()) for i in range(n)]  
4 list2 = [int(input()) for i in range(m)]  
5 tipped\_list = [a+b for a,b in zip(list1,list2)]  
6 print(tipped\_list)

	Input	Expected	Got	
✓	2 3 1 2 3 4 5 6 7 8	[[1, 2, 5, 6], [3, 4, 7, 8]]	[[1, 2, 5, 6], [3, 4, 7, 8]]	✓

Passed all tests! ✓  
Correct  
Marks for this submission: 1.00/1.00

Question 7

Output is a mixed array without duplicates.

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REC-PS

10

Sample Output 1

1 2 3 4 5 6 9 10

Answer: (penalty regime: 0 %)

```
1 x= int(input())
2 a=[int(input()) for i in range(x)]
3 y=int(input())
4 b= [int(input()) for i in range(y)]
5 z=set(a+b)
6 print(' '.join(map(str,sorted(z))))
```

	Input	Expected	Got	
✓	5 1 2 3 6 9 4 2 4 5 10	1 2 3 4 5 6 9 10	1 2 3 4 5 6 9 10	✓
✓	7 4 7 6 10 12 30 35	1 3 4 5 7 8 10 11 12 13 22 30 35	1 3 4 5 7 8 10 11 12 13 22 30 35	✓

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```
1
3
5
99
```

Answer: (penalty regime: 0 %)

```
1 T=int(input())
2 for i in range(T):
3     N=int(input())
4     array= [int(input()) for i in range(N)]
5     u=int(input())
6     found=False
7     seen=set()
8     for a in array:
9         if (a,u) in seen or (u,a) in seen:
10             found=True
11             break
12     seen.add(a)
13     print(1 if found else 0)
14
```

	Input	Expected	Got	
✓	1 3 5 3 5 4	1	1	✓
✓	1 3 1 3 5 99	0	0	✓

Passed all tests! ✓

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Marks for this submission: 1.00/1.00



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55  
56  
57  
58  
59  
110  
120

Answer: (penalty regime: 0 %)

```
1 arr=[int(input()) for i in range(10)]
2 item=int(input())
3 print("ITEM to be inserted: {item}")
4 index=0
5 while index<len(arr) and arr[index]<item:
6     index+=1
7 arr.insert(index,item)
8 print("After insertion array is:")
9 for num in arr:
10     print(num)
```

	Input	Expected	Got	
✓	1 3 4 5 6 7 8 9 10 11 2 3 18 11	ITEM to be inserted:2 After insertion array is: 1 2 3 4 5 6 7 8 9 10 11	ITEM to be inserted:2 After insertion array is: 1 2 3 4 5 6 7 8 9 10 11	✓
✓	11 22 33 11 55 22	ITEM to be inserted:44 After insertion array is: 11 22	ITEM to be inserted:44 After insertion array is: 11 22	✓

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Input

7

11

2

2

Q

420

52

2000

Output

True

1000

Answer: (penalty regime: 0 %)

```
1 a=[int(x) for x in input().split()]
2 b= any(a[i]>a[i-1] and (i==0 or a[i-1]) for i in range(len(a)-1))
3 print(not b)
```

	Input	Expected	Got	
✓	7	True	True	✓
	1			
	2			
	3			
	6			
	4			