



main.py

Shell



```
1 #python function to return the minimum
   element from the list and to print
   the smallest index if the elements
   are repeated
2 def minele(list1):|
3     return list1.index(min(list1))
4 list_1=[1,2,1,3,4]
5 minele(list_1)
6 print('the list is:',list_1)
7 print('the index returned is:',minele
   (list_1))
8
```

Run



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Shell



```
the list is: [1, 2, 1, 3, 4]
the index returned is: 0
> |
```



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Shell



```
1 # program to print the most common
   names of the List and the elements
   in the list are case sensitive
2 def most_frequent(List):
3     return max(set(List), key = List
   .count)
4 List = ['lakshmi', 'bhavani', 'bhavani'
   , 'lakshmi', 'Lakshmi', 'lakshmi']
5 print('the given list is:', List)
6 print('the most frequently occurred
   element is:', most_frequent(List))
7 print('the number of times '
   , most_frequent(List), 'occured is'
   , List.count(most_frequent(List)))
8
9
```

Run



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```
the given list is: ['lakshmi', 'bhavani',  
                    'bhavani', 'lakshmi', 'Lakshmi',  
                    'lakshmi']
```

```
the most frequently occurred element is:  
lakshmi
```

```
the number of times lakshmi occurred is 3  
> |
```



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Shell



```
1 ▾ def ispalindromelist(list1):
2     reverse=list(reversed(list1))
3 ▾     if(list1==reverse):
4         return True
5 ▾     else:
6         return False
7 list_1=[1,2,3]
8 print('this program checks if a list
    is palindrome')
9 print('this function returned')
10 print(ispalindromelist(list_1))
11
```

Run



main.py

Shell



```
this program checks if a list is palindrome  
this function returned  
False  
> |
```



main.py

Shell



```
1 ▾ def ispalindromelist(list1):
2     reverse=list(reversed(list1))
3 ▾     if(list1==reverse):
4         return True
5 ▾     else:
6         return False
7 list_1=[1,2,1]
8 print('this program checks if a list
9     is palindrome')
9 print('this function returned')
10 print(ispalindromelist(list_1))
11
```

Run



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```
this program checks if a list is palindrome  
this function returned  
True  
> |
```