Program:-

```
def list_len(L):
    if(L==[]):
        return 0
    else:
        return 1+ list_len(L[1:])
L1=input("Enter the list element:").split()
L1-len=list_len(L1)
Print("length of the list is:", L1-len)
```

Output:-
Enter the list element: demo str.
length of the list is: 2.