```python
# finding unique elements using iterators
class uniqueElement:
    def __init__(self,iterable):
        self.iterable=iterable
        self.unique=set()
        self.index=0

    def __iter__(self):
        return self

    def __next__(self):
        if self.index < len(self.iterable):
            element=self.iterable[self.index]
            self.index+=1

            if element not in self.unique:
                self.unique.add(element)
                return element
        raise StopIteration

list1=[1,2,20,3,4,5,6,7,7,7,8,9,10,12,1,2,3,3]
my_list=uniqueElement(list1)

for no_repeated_element in my_list:
    print(no_repeated_element)
```

```
1
2
20
3
4
5
6
7
```

Start coding or generate with AI.