

Clock.py

```
1 from Counter import Counter
2 class Clock:
3     def __init__(self):
4         self._hour=Counter("Hour")
5         self._min=Counter("Minute")
6         self._sec=Counter("Second")
7
8     def tick(self):
9         if self._sec.ticks<59:
10             self._sec.increment()
11         else:
12             self._sec.reset()
13             if self._min.ticks<59:
14                 self._min.increment()
15             else:
16                 self._min.reset()
17                 if self._hour.ticks<11:
18                     self._hour.increment()
19                 else:
20                     self._hour.reset()
21
22     def reset(self):
23         self._hour.reset()
24         self._min.reset()
25         self._sec.reset()
26
27     @property
28     def clock_time(self):
29         return f"{self._hour.ticks:02}:{self._min.ticks:02}:{self._sec.ticks:02}"
30
```