

Submission Detail

ID	#489528
Problem	SceneSwitch I (https://ejudge.it.kmitl.ac.th/problem/2738)
Username	it60070183(นายธีรภัทร ไกรศรีสิริกุล) (https://ejudge.it.kmitl.ac.th/account/1506)
Language	Python
Correctness Score	100 Points
Bonus Score	100 Points
Quality	100% How to improve your code
Summary Score	200 Points
Time	2017-09-19 10:35:35

Details

Case 1 [#11989] :	Passed	0.02403000 sec.
Case 2 [#11990] :	Passed	0.02392400 sec.
Case 3 [#11991] :	Passed	0.02415800 sec.
Case 4 [#11992] :	Passed	0.02425700 sec.
Case 5 [#11993] :	Passed	0.02402600 sec.
Case 6 [#11994] :	Passed	0.02346400 sec.
Case 7 [#11995] :	Passed	0.04157100 sec.
Case 8 [#11996] :	Passed	0.05039600 sec.
Case 9 [#11997] :	Passed	0.04260200 sec.
Case 10 [#11998] :	Passed	0.04404300 sec.
Case 11 [#11999] :	Passed	0.04125500 sec.
Case 12 [#12000] :	Passed	0.04089100 sec.
Case 13 [#12001] :	Passed	0.04090900 sec.
Case 14 [#12002] :	Passed	0.04106100 sec.

Code

pointers=false&textReferences=false&showOnlyOutputs=false&py=3&rawInputLst.JSON=%5B%5D&curlInstr=0)

```
1  """
2  PSIT (7th September 2017)
3  #1 - Apichart Chainarongritti (60070111)
4  #2 - Teerapat Krairisirikul (60070183)
5  """
6
7  def main():
8      """Main function"""
9      is_on = False    #Lamp status
10     is_warm = False  #Light mode (False: Cool Daylight, True: Warmwhite)
11     warm = 0         #Count warmwhite times
12
13     #Time variables
14     prev, now = 0, 0
15
16     while True:
17         value = input()
18         if value == "End":
19             break
20         value = float(value)
21
22         #Triggers switch
23         is_on = not is_on
24
25         #Move time values
26         prev = now
27         now = value
28
29         #Light mode changing system, only checks when turned on.
30         if is_on:
31             if now-prev <= 6 and now-prev != 0:
32                 is_warm = not is_warm
33                 warm += is_warm
34             elif now-prev > 6:
35                 is_warm = False #Reset light mode
36
37     print(warm)
38
39 main()
```