```
1 import tkinter as tk
 2 from datetime import datetime, timedelta
 3
 4
 5 class Stopwatch:
       def __init__(self, root):
 6
 7
           self.root = root
 8
           self.root.title("Stopwatch")
 9
10
           self.running = False
           self.start_time = None
11
12
           self.elapsed_time = 0
13
14
           self.label = tk.Label(root, text="00:00:00",
   font=("Helvetica", 48))
15
           self.label.pack(pady=20)
16
17
           self.start_button = tk.Button(root, text="
   Start", command=self.start)
18
           self.start_button.pack(side=tk.LEFT, padx=10)
19
20
           self.pause_button = tk.Button(root, text="
   Pause", command=self.pause)
21
           self.pause_button.pack(side=tk.LEFT, padx=10)
22
23
           self.reset_button = tk.Button(root, text="
   Reset", command=self.reset)
           self.reset_button.pack(side=tk.LEFT, padx=10)
24
25
26
           self.update_clock()
27
28
       def update_clock(self):
29
           if self.running:
30
               current_time = datetime.now()
31
               self.elapsed_time = (current_time - self.
   start_time).total_seconds()
32
               self.display_time()
33
34
           self.root.after(10, self.update_clock)
35
36
       def display_time(self):
```

```
File - C:\Users\user\PycharmProjects\pythonProject5\Dheeraj.py
            minutes = int(self.elapsed_time // 60)
37
38
            seconds = int(self.elapsed_time % 60)
39
            milliseconds = int((self.elapsed_time * 100
   ) % 100)
40
41
            time_string = f"{minutes:02}:{seconds:02}:{
   milliseconds:02}"
            self.label.config(text=time_string)
42
43
        def start(self):
44
45
            if not self.running:
46
                self.start_time = datetime.now() -
   timedelta (seconds=self.elapsed_time)
47
                self.running = True
48
49
        def pause(self):
            if self.running:
50
51
                self.running = False
52
53
        def reset(self):
54
            self.running = False
55
            self.elapsed_time = 0
            self.label.config(text="00:00:00")
56
57
58
59 if __name__ == "__main__":
60
        root = tk.Tk()
61
        stopwatch = Stopwatch(root)
62
        root.mainloop()
63
```