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# Python program to illustrate a stop watch
# using Tkinter
#importing the required libraries
import tkinter as Tkinter
from datetime import datetime
counter = 66600
 running = False
 def counter_label(label):
         def count():
                 if running:
                          global counter
                          # To manage the initial delay.
                          if counter==66600:
                                  display="Starting..."
                          else:
                                  tt = datetime.fromtimestamp(counter)
                                  string = tt.strftime("%H:%M:%S")
                                  display=string
```

label['text']=display # Or label.config(text=display)

Stop Watch code:

```
# label.after(arg1, arg2) delays by
                       # first argument given in milliseconds
                       # and then calls the function given as second argument.
                       # Generally like here we need to call the
                        # function in which it is present repeatedly.
                        # Delays by 1000ms=1 seconds and call count again.
                        label.after(1000, count)
                        counter += 1
        # Triggering the start of the counter.
# start function of the stopwatch
        global running
        running=True
        counter_label(label)
        start['state']='disabled'
        stop['state']='normal'
        reset['state']='normal'
# Stop function of the stopwatch
        global running
        start['state']='normal'
```

count()

def Start(label):

def Stop():

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stop['state']='disabled'
             reset['state']='normal'
             running = False
     # Reset function of the stopwatch
     def Reset(label):
             global counter
             counter=66600
             # If rest is pressed after pressing stop.
            if running==False:
                    reset['state']='disabled'
                    label['text']='Welcome!'
           # If reset is pressed while the stopwatch is running.
           else:
                   label['text']='Starting...'
  root = Tkinter.Tk()
 root.title("Stopwatch")
 # Fixing the window size.
root.minsize(width=250, height=70)
label = Tkinter.Label(root, text="Welcome!", fg="black", font="Verdana 30 bold")
label.pack()
```

```
f = Tkinter Frame(root)
start = Tkiriter.Button(f, text='Start', width=6, command=lambda:Start(label))
stop = Tkinter.Button(f, text='Stop',width=6,state='disabled', command=Stop)
 reset = Tkinter.Button(f, text='Reset',width=6, state='disabled', command=lambda:Reset(label))
 f.pack(anchor = 'center',pady=5)
  start.pack(side="left")
  Mop.pack(side ="left")
  reset_pack(side="left")
   root.mainloop()
```