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import tkinter as tk import datetime import winsound as ws

```
class Countdown(tk.Frame):
  def __init__(self, master):
    super().__init__(master)
    self.create_widgets()
    self.show_widgets()
    self.seconds_left = 0
    self._timer_on = False
  def show_widgets(self):
    self.label.pack()
    self.entry.pack()
    self.start.pack()
```

```
self.stop.pack()
    self.reset.pack()
  def create_widgets(self):
    self.label = tk.Label(self, text="Enter
the time in seconds.")
    self.entry = tk.Entry(self,
justify="center")
    self.entry.focus_set()
    self.reset = tk.Button(self, text="Reset
Timer",
command=self.reset_button)
    self.stop = tk.Button(self, text="stop
Timer",
                command=self.stop_button)
    self.start = tk.Button(self, text="start
Timer",
command=self.start_button)
  def countdown(self):
    self.label["text"] =
```

```
self.convert_seconds_left_to_time()
    if self.seconds_left:
      self.seconds_left -= 1
      self._timer_on = self.after(1000,
self.countdown)
    else:
      self._timer_on = False
      ws.PlaySound("Alarm clock sound",
ws.SND_FILENAME)
  def reset_button(self):
    self.seconds_left = 0
    self.stop_timer()
    self._timer_on = False
    self.label["text"] = "Enter the time in
seconds."
    self.start.forget()
    self.stop.forget()
    self.reset.forget()
    self.start.pack()
    self.stop.pack()
    self.reset.pack()
```

```
def stop_button(self):
  self.seconds_left = int(self.entry.get())
  self.stop_timer()
def start_button(self):
  self.seconds_left = int(self.entry.get())
  self.stop_timer()
  self.countdown()
  self.start.forget()
  self.stop.forget()
  self.reset.forget()
  self.start.pack()
  self.stop.pack()
  self.reset.pack()
def stop_timer(self):
  if self._timer_on:
    self.after_cancel(self._timer_on)
    self._timer_on = False
def convert_seconds_left_to_time(self):
  return
```

datetime.timedelta(seconds=self.seconds_l
eft)

```
if __name__ == "__main__":
   root = tk.Tk()
   root.resizable(False, False)
```

countdown = Countdown(root)
countdown.pack()

root.mainloop()



