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Alarm Clock

The purpose behind this program was I wanted to learn how to create a GUI. So, I thought why not make a clock. Then I started brainstorming how to start, and in that I thought a clock wouldn’t be enough, I want something to happen, so I switched over to the alarm clock.

One way this could be used is as a prank like I did with my brother. I set the clock, left my laptop in a room, and once I heard the yelling, I knew it was a success. For things more serious, maybe a professor could use this during exams or online exams. One of my professors did that for one of my midterms due to COVID-19. He presented the question via PowerPoint, and he had a timer on letting us know how much time we have left in the exam. As it is right now, it’s a little hard to use because the only type of input it takes is seconds. So if you’re setting up for something that’ll take a long time, it’ll require some math.

This library make is so simple to create a GUI interface with buttons, labels, and user input boxes.

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| def create\_second\_box(self): |
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| --- |
| ttk.Label(self, text="Wait For Seconds : ").grid(row=1, column=1, padx=10, pady=10) |
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| --- |
| ttk.Entry(self, textvariable=self.waiting\_str\_var).grid(row=1, column=2, padx=10, pady=10) |
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| ttk.Button(self, text="Exit", command=self.destroy).grid(row=3, column=1, padx=10, pady=10) |
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| ttk.Button(self, text="Set Alarm!", command=self.set\_alarm\_button).grid(row=3, column=2, padx=10, pady=10) |
|  |

return

Above is piece of my code. Line 1 we’re creating a function named **create\_second\_box(self):**. Then one line 2 we create a label named which asks the user how long they want to wait in seconds. Line 3 is the user input which would be the time we want to wait. Then line 4 and 5 are creating buttons, but line 4 exits, the program. While line 5 is was sets the clock to wait that long before going off.

Documentation page:

https://docs.python.org/3/library/tk.html