T-maze trial without RFID tag

When animal is in, do not:  
-restart Arduino (including any unplugging even if it has power and usb, don’t remove or put in either), open Arduino ide or input new program.  
-restart python program.

Use commenting program on terminal for any comments: cd Documents/Amaze-main ; python3 user\_comments.py

SOP for normal operation:

1. Set room lights to steady light or red light.
2. Turn on beam-break LEDs and Arduino and pellet dispenser.
3. Run program [training\_noRFIDtag\_Tmaze3.py](https://github.com/Borgesvpm/Amaze/blob/main/training_noRFIDtag_Tmaze.py)
4. Test that maze operates normally.
5. Restart program. Type in mouse ID
6. GENTLY INTRODUCE MOUSE INTO THE MAZE HOME CAGE.
7. Record up to 8h.
8. In case of problems/debugging: remove animal first! Use stop procedure.
9. STOP procedure:
10. Place real homecage in the home cage.
11. Use white spatula thing to coax him into weighing area. Animal returns itself back to home.
12. Make sure to break beam 5 with your hand!
13. Wait 10 s 🡪 stop program on python.
14. Clean maze.
15. Every Friday, enter average weight into tick@lab.
16. Plot relevant data:
    1. Weight time series.
    2. Decision percentages and raw numbers: how many food pod, run pod entries and how many exits from T-maze?
    3. Trial duration time series (3 bar charts on same time axis).
       1. Time from decision BB to start trial BB.
       2. Time from start trial BB to decision BB (colour code by decision).
       3. Time from exit BB to next trial start BB.