How to start the program:

1. Open up the command prompt



1. Go into the correct directory

Note: Everything on a Raspberry PI is Case Sensitive

***cd CubCar3***

1. To run programs

***sudo python3 Registration.py***

*OR*

***sudo python3 RaceManagerE.py***

1. To exit out of the either program

Note: for the Timer program you will need to click on the terminal or keyboard is disabled.

***ctrl + z***

Troubleshooting:

1. If you are getting an error that it cant find the path to the database.
   1. Make sure the PI and the laptop are both connected to the **SCOUT** wifi.
   2. Check that the IP of the laptop is the same as the program.
      1. In a cmd window type IPCONFIG to see what the laptop’s IP is.
      2. On the pi open up a terminal window

**cd CubCar3**

**nano Registration.py**

or

**nano RaceManagerE.py**

* + 1. Check the connection string (Note: This is a LONG way down in the RaceManager program)

*## Connection String for Database*

*db = mysql.connector.connect(*

*host="192.168.100.148", 🡨 This line needs to match laptop IP!*

*user="cubcaradmin",*

*passwd="cubsrock",*

*database="CubCar"*

*)*

* 1. Make sure that Heidi SQL is running on the laptop

1. If the RFID Pad is not working.
   1. Most likely cause is the loose cable. You will need to restart the program to re-activate the RFID Pad
   2. Pad works best with shielded CAT5e stranded core cable. Try a different cable if problems persist
2. Timer Program Starts but coloured circle wont appear?
   1. This means that it cant find either RaceCounter or Heat # in the database.
      1. Make sure there is one row in the database for the TrackHeat table and at least 1 row in the raceresults table for each Timer (Unit)