ENR355 Assignments #4

Due 2/10/26 9:00 pm

Task 1)

Try to program and control a NEMA-17 stepper motor with:

- 2 DC power source

- 1 Driver (Adafruit TMC2209 Stepper Motor Driver Breakout Board)

  The datasheet of the IC chip is also pretty helpful too:

  https://www.analog.com/media/en/technical-documentation/data-sheets/tmc2209_datasheet_rev1.09.pdf

- Raspberry Pi PICO 2 with the help from my course slides
  Try to use the code to control the direction, speed, and its exact steps.

As proof-of-efforts, you are going to show me your WORKING set up by/on next Tuesday in class.