CAN Packet Generator Instructions

This program is designed to generate CAN packet payloads for two different types of motors, "Kelly 1" and "Kelly 2." It allows you to select which motor you want to create a packet for, prompts you for input values, and then outputs the payload in hexadecimal format.

How to Use the Program

Select Motor Type:

Enter 1 for "Kelly 1" motor.
Enter 2 for "Kelly 2" motor.

Enter Parameters Based on Motor Type:

For Kelly 1:

Direction: Enter 1 for forward, 2 for reverse, or 3 for neutral
Speed: Enter the RPM (speed in decimal), ensuring it's below the defined maximum (5000 RPM)
Error Code: Enter an error code if applicable (0 by default if there are no errors)

For Kelly 2:

Voltage: Enter the voltage (in decimal), keeping it within the defined maximum (173)
Current: Enter the current (in decimal), keeping it below the maximum (600)
Motor Temperature: Enter the motor temperature (in decimal), not exceeding the maximum (100)
Controller Temperature: Enter the controller temperature (in decimal), also not exceeding 100.

Receive Payload Output

After entering the values, the program generates and prints a payload string in hexadecimal format, representing the CAN packet for the selected motor type.