

How the Code Works: The core functionality of the code revolves around the continuous monitoring and updating of the `step_counter` and `orientation_counter` variables to control the stepper motor's movement. Movement Execution: The selected motor control function generates the correct sequence of signals to drive the stepper motor, achieving the required rotation. Motor Control Logic: The main loop checks the parity (odd or even) of `step_counter` and `orientation_counter` to decide the motor's mode (half-step or full-step) and direction (clockwise or anticlockwise).