#include <AFMotor.h>

AF\_DCMotor motor(1); // Motor is connected to M1

int potPin = A0; // Potentiometer connected to analog pin A0

int potValue = 0; // Variable to store the potentiometer value

void setup() {

Serial.begin(9600);

}

void loop() {

potValue = analogRead(potPin); // Read potentiometer value (0-1023)

int motorSpeed = map(potValue, 0, 1023, 0, 255); // Map potentiometer value to motor speed range

Serial.print("Potentiometer Value: ");

Serial.print(potValue);

Serial.print(" | Motor Speed: ");

Serial.println(motorSpeed);

motor.setSpeed(motorSpeed); // Set motor speed

motor.run(FORWARD); // Run motor in the forward direction

}