Experiment : 4 DC MOTOR

```
// Define motor control pins
const int motorPin1 = 9;    // IN1 on the motor driver
const int motorPin2 = 10; // IN2 on the motor driver
const int enablePin = 11; // EN1 on the motor driver (optional for speed control)
void setup() {
  // Set motor control pins as outputs
  pinMode(motorPin1, OUTPUT);
  pinMode(motorPin2, OUTPUT);
  pinMode(enablePin, OUTPUT); // Optional for speed control
    // Set enable pin to HIGH for full speed (if used)
  digitalWrite(enablePin, HIGH); // Set to LOW for no power to the motor
}
void loop() {
  // Spin motor in one direction
  digitalWrite(motorPin1, HIGH);
  digitalWrite(motorPin2, LOW);
  // Keep motor spinning for 5 seconds
  delay(5000);
  // Stop the motor
  digitalWrite(motorPin1, LOW);
  digitalWrite(motorPin2, LOW);
  // Keep motor stopped for 2 seconds
  delay(2000);
}
```