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/*
  This program is to test DC Motor interfacing with Arduino

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  Connect IN1 of DC Motor driver to Digital Pin 2 of Arduino
  Connect IN2 of DC Motor driver to Digital Pin 3 of Arduino
  Connect GND of DC Motor Driver to GND of Arduino
  Connect +12V and GND from Adapter pin to DC Motor Driver Module
  Connect DC gear motor to Out2 of DC Motor Driver Module

  Upload the code and check the status of the motor
*/

#define M1p 2          // Arduino Digital Pins are used for connecting IN1
and IN2
#define M1n 4
#define EPin 3

void setup()
{
  pinMode(M1p, OUTPUT);    //Declaring Digital Pin 2 as output
  pinMode(M1n, OUTPUT);    //Declaring Digital Pin 3 as output
  pinMode(EPin, OUTPUT);

  analogWrite(EPin, 200);

  digitalWrite(M1p, HIGH);
  digitalWrite(M1n, LOW);  //Motor rotates in ClockWise Direction
}

void loop()
{
}

```