```
/*
Adafruit Arduino - Lesson 15. Bi-directional Motor
*/

int enablePin = 11;
int in1Pin = 10;
int in2Pin = 9;
int buttonPin = 7;
int value;
void setup()
{
  pinMode(in1Pin, OUTPUT);
  pinMode(in2Pin, OUTPUT);
  pinMode(enablePin, OUTPUT);
  pinMode(buttonPin, INPUT_PULLUP);
  Serial.begin(9600);
}

void loop()
{

 value = digitalRead(buttonPin);
 analogWrite(enablePin, 255);
 Serial.println(value);
 delay(100);
 if(value == LOW)
 {
 digitalWrite(in1Pin, HIGH);
 digitalWrite(in2Pin, LOW);
 delay(2000);
 digitalWrite(in1Pin, LOW);
 digitalWrite(in2Pin, HIGH);
 delay(2000);
 }

 else
 {
 digitalWrite(in1Pin, LOW);
 digitalWrite(in2Pin, LOW);
 }

}
```