#include <AFMotor.h>

void setup() {

//Setup Channel A

pinMode(12, OUTPUT); //Initiates Motor Channel A pin

pinMode(9, OUTPUT); //Initiates Brake Channel A pin

pinMode(3,OUTPUT);

}

void loop()

{

if (buttonstate= HIGH)

{

//forward @ full speed

digitalWrite(12, HIGH); //Establishes forward direction of Channel A

digitalWrite(9, LOW); //Disengage the Brake for Channel A

analogWrite(3, 230); //Spins the motor on Channel A at full speed

delay(1000);

digitalWrite(9, HIGH); //Eengage the Brake for Channel A

delay(1000);

//backward @ half speed

digitalWrite(12, LOW); //Establishes backward direction of Channel A

digitalWrite(9, LOW); //Disengage the Brake for Channel A

analogWrite(3, 230); //Spins the motor on Channel A at half speed

delay(1000);

digitalWrite(9, HIGH); //Eengage the Brake for Channel A

}

if (key\_pressed)

{

password[i++]=key\_pressed;

lcd.print(key\_pressed);

}

if(i==4)

{

delay(200);

for(int j=0;j<4;j++)

initial\_password[j]=EEPROM.read(j);

if(!(strncmp(password, initial\_password,4)))

{

//forward @ full speed

digitalWrite(12, HIGH); //Establishes forward direction of Channel A

digitalWrite(9, LOW); //Disengage the Brake for Channel A

analogWrite(3, 230); //Spins the motor on Channel A at full speed

delay(1000);

digitalWrite(9, HIGH); //Eengage the Brake for Channel A

delay(1000);

//backward @ half speed

digitalWrite(12, LOW); //Establishes backward direction of Channel A

digitalWrite(9, LOW); //Disengage the Brake for Channel A

analogWrite(3, 230); //Spins the motor on Channel A at half speed

delay(1000);

digitalWrite(9, HIGH); //Eengage the Brake for Channel A

}

}

}