int val;

float i;

float j;

void setup() {

pinMode(3,OUTPUT);

Serial.begin(9600);

}

void loop() {

if( Serial.available() )

{

val = Serial.read();

}

if( val == '1' ) // Move Forward

{

Serial.println("low to high");

for(i=0; i<=255; i++)

{

Serial.println("i value is:");

Serial.println(i);

analogWrite(3,i);

delay(100);

} }

else if ( val == '2' ) // Move RIGHT

{

Serial.print("high to low");

for(j=255;255>=0;j--)

{

Serial.println("i value is:");

Serial.println(i);

analogWrite(3,i);

delay(100);

}

}

else {

Serial.println("OFF");

digitalWrite(3,HIGH);

delay(100);

digitalWrite(3,LOW);

} //Stop The All Motor

delay(100);

}