int val;

int m1 = 2; //Motor1 PIN=1

int m2 = 3; //Motor1 PIN=2

int m3 = 4; //Motor2 PIN=1

int m4 = 5; //Motor2 Pin=2

void setup() {

pinMode(m1, OUTPUT);

pinMode(m2, OUTPUT);

pinMode(m3, OUTPUT);

pinMode(m4, OUTPUT);

Serial.begin(9600);

}

void loop() {

if( Serial.available() )

{

val = Serial.read();

}

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

{

Serial.println("Moving Forward");

digitalWrite(m1, HIGH);

digitalWrite(m2, LOW);

digitalWrite(m3, HIGH);

digitalWrite(m4, LOW);

}

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

{

Serial.println("Moving Right");

digitalWrite(m1, LOW);

digitalWrite(m2, HIGH);

digitalWrite(m3, HIGH);

digitalWrite(m4, LOW);

}

else if ( val == '3' ) // Move LEFT

{

Serial.println("Moving Left");

digitalWrite(m1, HIGH);

digitalWrite(m2, LOW);

digitalWrite(m3, LOW);

digitalWrite(m4, HIGH);

}

else if ( val == '4' ) // Move BACKWARD

{

Serial.println("Moving Backward");

digitalWrite(m1, LOW);

digitalWrite(m2, HIGH);

digitalWrite(m3, LOW);

digitalWrite(m4, HIGH);

}

else {

Serial.println("Stop");

digitalWrite(m1, LOW);

digitalWrite(m2, LOW);

digitalWrite(m3, LOW);

digitalWrite(m4, LOW);

} //Stop The All Motor

delay(100);

}