/\*The accelerometer module has 5 pins, namely

1. GND-To be connected to Arduino's GND

2. VCC-To be connected to Arduino's 5V

3. X-To be connected to Analog Pin A5

4. Y-To be connected to Analog Pin A4

5. Z-To be connected to Analog Pin A3

Code

//connect 3.3v to AREF

\*/

const int ap1 = A5;

const int ap2 = A4;

const int ap3 = A3;

int x = 0;

int y = 0;

int z = 0;

void setup() {

// initialize serial communications at 9600 bps:

Serial.begin(9600);

pinMode(2,OUTPUT); // motor1 pin1

pinMode(3,OUTPUT);// motor1 pin2

pinMode(4,OUTPUT);//motor2 pin1

pinMode(5,OUTPUT);//motor2 pin2

}

void loop() {

// read the analog in value:

x = analogRead(ap1); // x

delay(2);

//

y = analogRead(ap2); //y

//

delay(2);

//

z = analogRead(ap3); //z

// print the results to the serial monitor:

Serial.print("Xsensor1 = " );

Serial.println(x);

Serial.print("Ysensor2 = " );

Serial.println(y);

Serial.print("Zsensor3 = " );

Serial.println(z);

delay(100);

/\* if((350<x<370)&&(350<z<370))

{

digitalWrite(2,LOW);

delay(50);

digitalWrite(3,LOW);

delay(50);

digitalWrite(4,LOW);

delay(50);

digitalWrite(5,LOW);

delay(50);

Serial.print("Motor Stop");

} \*/

if(x<328)

{

digitalWrite(2,LOW);

delay(50);

digitalWrite(3,HIGH);

delay(50);

digitalWrite(4,LOW);

delay(50);

digitalWrite(5,HIGH);

delay(50);

Serial.print("Motor is Moving Backward");

}

else if(x>380)

{

digitalWrite(2,HIGH);

delay(50);

digitalWrite(3,LOW);

delay(50);

digitalWrite(4,HIGH);

delay(50);

digitalWrite(5,LOW);

delay(50);

Serial.print("Motor is Moving Forward");

}

else if(z<330)

{

digitalWrite(2,LOW);

delay(100);

digitalWrite(3,HIGH);

delay(50);

digitalWrite(4,HIGH);

delay(50);

digitalWrite(5,LOW);

delay(50);

Serial.print("Motor is Moving Right");

}

else if(z>380)

{

digitalWrite(2,HIGH);

delay(50);

digitalWrite(3,LOW);

delay(50);

digitalWrite(4,LOW);

delay(50);

digitalWrite(5,HIGH);

delay(50);

Serial.print("Motor is Moving Left");

}

else

{

digitalWrite(2,LOW);

delay(50);

digitalWrite(3,LOW);

delay(50);

digitalWrite(4,LOW);

delay(50);

digitalWrite(5,LOW);

delay(50);

Serial.print("Motor Stop");

}

}