**int** b = 12;

**int** c = 10;

**int** d= 9;

**int** sel =40;

**int** aa=7;

**int** bb=6;

**int** cc=5;

**int** dd=4;

**int** sensorpin1 = 0;

**int** sensorpin2 = 1;

**int** vals1 = 0;

**int** vals2 = 0;

**int** sensorValue;

**int** sensorValue1;

**int** sensorValue2;

**int** sensorValue3;

**int** sell;

**byte** com = 0; *//reply from voice recognition*

**void** setup()

{

pinMode(aa,INPUT);

pinMode(bb,INPUT);

pinMode(cc,INPUT);

pinMode(dd,INPUT);

pinMode(sel,INPUT);

Serial.begin(9600);

pinMode(a, OUTPUT); *// sets the ledPin to be an output*

pinMode(b, OUTPUT); *// sets the redPin to be an output*

pinMode(c, OUTPUT); *// sets the ledPin to be an output*

pinMode(d, OUTPUT);

delay(2000);

Serial.write(0xAA);

Serial.write(0x37);

delay(1000);

Serial.write(0xAA);

Serial.write(0x22);

}

**void** loop() *// run over and over again*

{

  sell=digitalRead(sel);

  vals1 = analogRead(sensorpin1);

  vals2 = analogRead(sensorpin2);

**if**(vals1<110 | vals2<200)

  {

**if**(sell==1)

    {

**while**(Serial.available())

    {

      com = Serial.read();

**switch**(com)

      {

**case** 0x21:

        digitalWrite(a,HIGH);

        digitalWrite(b,LOW);

        digitalWrite(c,HIGH);

        digitalWrite(d,LOW);

**break**;

**case** 0x22:

        digitalWrite(a,LOW);

        digitalWrite(b,HIGH);

        digitalWrite(c,LOW);

        digitalWrite(d,HIGH);

**break**;

**case** 0x23:

        digitalWrite(a,LOW);

        digitalWrite(b,LOW);

        digitalWrite(c,HIGH);

        digitalWrite(d,LOW);

**break**;

**case** 0x24:

        digitalWrite(a,HIGH);

        digitalWrite(b,LOW);

        digitalWrite(c,LOW);

        digitalWrite(d,LOW);

**break**;

**case** 0x25:

        digitalWrite(a,LOW);

        digitalWrite(b,LOW);

        digitalWrite(c,LOW);

        digitalWrite(d,LOW);

**break**;

      }

    }

  }

**if**(sell==0)

    {

      sensorValue = digitalRead(aa);

      sensorValue1 = digitalRead(bb);

      sensorValue2 = digitalRead(cc);

      sensorValue3 = digitalRead(dd);

**if**(sensorValue==1)

{

  digitalWrite(a,HIGH);

digitalWrite(b,LOW);

digitalWrite(c,HIGH);

digitalWrite(d,LOW);

}

**else** **if**(sensorValue1==1)

{

  digitalWrite(a,LOW);

digitalWrite(b,LOW);

digitalWrite(c,HIGH);

digitalWrite(d,LOW);

}

**else** **if**(sensorValue2==1)

{

  digitalWrite(a,HIGH);

digitalWrite(b,LOW);

digitalWrite(c,LOW);

digitalWrite(d,LOW);

   }

**else** **if**(sensorValue3==1)

{

  digitalWrite(a,LOW);

digitalWrite(b,HIGH);

digitalWrite(c,LOW);

digitalWrite(d,HIGH);

   }

**else**

{

  digitalWrite(a,LOW);

digitalWrite(b,LOW);

digitalWrite(c,LOW);

digitalWrite(d,LOW);

}

  }

  }

**else**

  {

digitalWrite(a,LOW);

digitalWrite(b,LOW);

digitalWrite(c,LOW);

digitalWrite(d,LOW);

  }

  }