

```

const int in1 = 8;
const int in2 = 9;
const int in3 = 10;
const int in4 = 11;
const int sagsinyal =53;
const int solsinyal =52;
const int geriled =51;
const int sagfar =50;
const int solfar =49;
const int durfar= 45;
const int durfar1= 44;
const int ses = 4;
const int trigger =3;
const int echo =2;
int isi=A0;
char w ;
int zaman;
int mesafe;
float sicaklik;
float analoggerilim;
int S1=48;
int S2=47;
int S3=46;
void setup() {
  pinMode( in1 , OUTPUT);
  pinMode( in2 , OUTPUT);
  pinMode( in3 , OUTPUT);
  pinMode( in4 , OUTPUT);
  pinMode(sagsinyal,OUTPUT);
  pinMode(solsinyal,OUTPUT);
  pinMode(geriled,OUTPUT);
  pinMode(sagfar,OUTPUT);
  pinMode(solfar,OUTPUT);
  pinMode(trigger,OUTPUT);
  pinMode(echo,INPUT);
  pinMode(S1,OUTPUT);
  pinMode(S2,OUTPUT);
  pinMode(S3,OUTPUT);
  pinMode(ses,OUTPUT);
  pinMode(isi,INPUT);
  pinMode(durfar,OUTPUT);
  pinMode(durfar1,OUTPUT);
  Serial.begin(9600);
}
void loop() {
  int w=Serial.read();
  if (w=='1')
  {
    ileri();
  }
  if (w=='0')
  {

```

```

    geri();
}

if(w=='3')
{
    sagadon();
}
if(w=='4')
{
    soladon();
}
if (w=='2')
{
    dur();
}
if(w=='5')
{
    sagled();
}
if(w=='6')
{
    solled();
}
if(w=='7')
{
    farac();
}
if(w=='8')
{
    farkapat();
}
if (w=='9')
{
    mesafesensor();
}
if (w=='a')
{
    korna();
}
if (w=='b')
{
    termometre();
}
}

void ileri()
{
    digitalWrite(in1,HIGH);
    // digitalWrite(in2,LOW);
    digitalWrite(in3,HIGH);
    // digitalWrite(in4,LOW);
}

void geri()

```

```

{
    // digitalWrite(in1,LOW);
    digitalWrite(in2,HIGH);
    // digitalWrite(in3,LOW);
    digitalWrite(in4,HIGH);
    digitalWrite(geriled,HIGH);
}
void sagadon()
{
    digitalWrite(in1,HIGH);
    // digitalWrite(in2,LOW);
    // digitalWrite(in3,LOW);
    digitalWrite(in4,HIGH);
}
void soladon()
{
    // digitalWrite(in1,LOW);
    digitalWrite(in2,HIGH);
    digitalWrite(in3,HIGH);
    // digitalWrite(in4,LOW);
}
void dur()
{
    digitalWrite(in1,LOW);
    digitalWrite(in2,LOW);
    digitalWrite(in3,LOW);
    digitalWrite(in4,LOW);
    digitalWrite(geriled,LOW);
    digitalWrite(ses,LOW);
    digitalWrite(durfar,LOW);
    digitalWrite(durfar1,LOW);
}
void sagled()
{
    for (int i=0;i<8;i++)
    {
        digitalWrite (sagsinyal,HIGH) ;
        delay(100);
        digitalWrite (sagsinyal,LOW) ;
        delay(100);
    }
}
void solled()
{
    for (int i=0;i<8;i++)
    {
        digitalWrite(solsinyal,HIGH) ;
        delay(100);
        digitalWrite(solsinyal,LOW) ;
        delay(100);
    }
}
void farac()
{

```

```

    digitalWrite(sagfar,HIGH);
    digitalWrite(solfar,HIGH);
    digitalWrite(durfar,HIGH);
    digitalWrite(durfar1,HIGH);
}
void farkapat()
{
    digitalWrite(sagfar,LOW);
    digitalWrite(solfar,LOW);
    digitalWrite(durfar,LOW);
    digitalWrite(durfar1,LOW);
}
void mesafesensor()
{
    digitalWrite(trigger,HIGH);
    delayMicroseconds(1000);
    digitalWrite(trigger,LOW);
    zaman= pulseIn(echo,HIGH);
    mesafe = ((zaman/2)/29.1);
    Serial.print("uzaklik ");
    Serial.print(mesafe);
    Serial.println(" cm");
    if (mesafe<=10)
    {
        for (int i=0;i<5;i++)
        {
            digitalWrite(ses,HIGH);
            delay(27);
            digitalWrite(ses,LOW);
            delay(27);
        }
    }
    if (mesafe<=20)
    {
        for (int i=0;i<5;i++)
        {
            digitalWrite(ses,HIGH);
            delay(75);
            digitalWrite(ses,LOW);
            delay(75);
        }
    }
    if (mesafe<=25)
    {
        for (int i=0;i<5;i++)
        {
            digitalWrite(ses,HIGH);
            delay(100);
            digitalWrite(ses,LOW);
            delay(100);
        }
    }
}

```

```
}  
void termometre()  
{  
  analoggerilim = analogRead(A0);  
  analoggerilim = (analoggerilim/1023)*5000;  
  sicaklik = analoggerilim /10; //  
  Serial.print("sicaklik-->");  
  Serial.println(sicaklik);  
  
  if(sicaklik>=15)  
  {  
    digitalWrite(S1,HIGH);  
    delay(75);  
    digitalWrite(S1,LOW);  
  }  
  if(sicaklik>=20)  
  {  
    digitalWrite(S2,HIGH);  
    delay(50);  
    digitalWrite(S2,LOW);  
  }  
  if(sicaklik>=25)  
  {  
    digitalWrite(S3,HIGH);  
    delay(50);  
    digitalWrite(S3,LOW);  
  }  
}  
  
void korna()  
{  
  digitalWrite(ses,HIGH);  
}
```

```

when bluetooth_seq.BeforePicking
do
  set bluetooth_seq.Elements to BluetoothClient1.AddressesAndNames

when bluetooth_seq.AfterPicking
do
  set bluetooth_seq.Selection to call BluetoothClient1.Connect
  address bluetooth_seq.Selection
  set bluetooth_durumu.Text to "BAĞLANDI"
  set bluetooth_durumu.TextColor to green

when ileri.TouchDown
do
  if BluetoothClient1.IsConnected
  then
    call BluetoothClient1.SendText
    text "1"

when geri.TouchDown
do
  if BluetoothClient1.IsConnected
  then
    call BluetoothClient1.SendText
    text "0"

when sağ.TouchDown
do
  if BluetoothClient1.IsConnected
  then
    call BluetoothClient1.SendText
    text "3"

when sol.TouchDown
do
  if BluetoothClient1.IsConnected
  then
    call BluetoothClient1.SendText
    text "4"

when SAG_SINYAL.Click
do
  if BluetoothClient1.IsConnected
  then
    call BluetoothClient1.SendText
    text "5"

when SAG_SINYAL.Click
do
  if BluetoothClient1.IsConnected
  then
    call BluetoothClient1.SendText
    text "5"

when faraç.Click
do
  if BluetoothClient1.IsConnected
  then
    call BluetoothClient1.SendText
    text "7"

when KORNA.TouchDown
do
  if BluetoothClient1.IsConnected
  then
    call BluetoothClient1.SendText
    text "a"

when mesafe.Click
do
  if BluetoothClient1.IsConnected
  then
    call BluetoothClient1.SendText
    text "9"

when ileri.TouchUp
do
  if BluetoothClient1.IsConnected
  then
    call BluetoothClient1.SendText
    text "2"

when geri.TouchUp
do
  if BluetoothClient1.IsConnected
  then
    call BluetoothClient1.SendText
    text "2"

when sağ.TouchUp
do
  if BluetoothClient1.IsConnected
  then
    call BluetoothClient1.SendText
    text "2"

when sol.TouchUp
do
  if BluetoothClient1.IsConnected
  then
    call BluetoothClient1.SendText
    text "2"

when sol_sinyal.Click
do
  if BluetoothClient1.IsConnected
  then
    call BluetoothClient1.SendText
    text "6"

when sol_sinyal.Click
do
  if BluetoothClient1.IsConnected
  then
    call BluetoothClient1.SendText
    text "6"

when farkapat.Click
do
  if BluetoothClient1.IsConnected
  then
    call BluetoothClient1.SendText
    text "8"

when KORNA.TouchUp
do
  if BluetoothClient1.IsConnected
  then
    call BluetoothClient1.SendText
    text "2"
  
```

App Inventor2 Application