

```
#include<arduino.h>

#include <SoftwareSerial.h>

SoftwareSerial BTserial(2, 3);

char Incoming_value = 0;

void setup() {

    Serial.begin(9600);

    pinMode(7, OUTPUT);

    pinMode(4, OUTPUT);

    pinMode(5, OUTPUT);

    pinMode(6, OUTPUT);

    pinMode(8, OUTPUT);

    pinMode(9, OUTPUT);

    pinMode(10, OUTPUT);

    pinMode(11, OUTPUT);

    BTserial.begin(9600);

}

void loop() {

    if(BTserial.available(>0)

    { Incoming_value = BTserial.read();

    Serial.println(Incoming_value);

    if(Incoming_value == 'a' )

    {digitalWrite(4,HIGH);}

    else if(Incoming_value == 'b' )

    {digitalWrite(4,LOW);}

    else if (Incoming_value == 'c')

    {digitalWrite(5,HIGH);}

    else if(Incoming_value == 'd')

    {digitalWrite(5,LOW);}
```

```
else if(Incoming_value == 'e')
{digitalWrite(6,HIGH);}
else if(Incoming_value == 'f')
{digitalWrite(6,LOW);}
else if(Incoming_value == 'g')
{digitalWrite(7,HIGH);}
else if(Incoming_value == 'h')
{digitalWrite(7,LOW);}
else if(Incoming_value == 'i')
{digitalWrite(8,HIGH); }
else if(Incoming_value == 'j')
{digitalWrite(8,LOW);}
else if(Incoming_value == 'k')
{digitalWrite(9,HIGH);}
else if(Incoming_value == 'l')
{digitalWrite(9,LOW);}
else if (Incoming_value == 'm')
{digitalWrite(10,HIGH);}
else if(Incoming_value == 'n')
{digitalWrite(10,LOW); }
else if (Incoming_value == 'o')
{digitalWrite(11,HIGH);}
else if(Incoming_value == 'p')
{digitalWrite(11,LOW);}
else {}
}
}
```

MIT app Inventor Block Programming & interfacing with \*.apk mobile app generated using APP. Designed by Dinesh Kumar (ISRO).

```
when ListPicker1 .BeforePicking  
do set ListPicker1 .Elements to BluetoothClient1 .AddressesAndNames
```

```
when ListPicker1 .AfterPicking  
do set ListPicker1 .Selection to call BluetoothClient1 .Connect  
address ListPicker1 .Selection  
set ListPicker1 .Text to "CONNECTED"
```

```
when Button1 .Click  
do call BluetoothClient1 .SendText  
text "a"
```

```
when Button3 .Click  
do call BluetoothClient1 .SendText  
text "c"
```

```
when Button5 .Click  
do call BluetoothClient1 .SendText  
text "e"
```

```
when Button7 .Click  
do call BluetoothClient1 .SendText  
text "g"
```

```
when Button9 .Click  
do call BluetoothClient1 .SendText  
text "i"
```

```
when Button11 .Click  
do call BluetoothClient1 .SendText  
text "k"
```

```
when Button13 .Click  
do call BluetoothClient1 .SendText  
text "m"
```

```
when Button15 .Click  
do call BluetoothClient1 .SendText  
text "o"
```

```
when Button2 .Click  
do call BluetoothClient1 .SendText  
text "b"
```

```
when Button4 .Click  
do call BluetoothClient1 .SendText  
text "d"
```

```
when Button6 .Click  
do call BluetoothClient1 .SendText  
text "f"
```

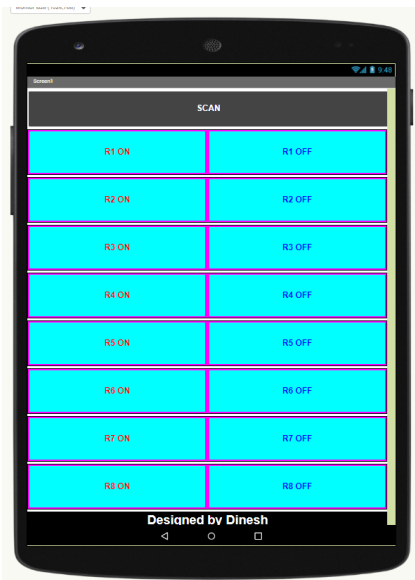
```
when Button8 .Click  
do call BluetoothClient1 .SendText  
text "h"
```

```
when Button10 .Click  
do call BluetoothClient1 .SendText  
text "j"
```

```
when Button12 .Click  
do call BluetoothClient1 .SendText  
text "l"
```

```
when Button14 .Click  
do call BluetoothClient1 .SendText  
text "n"
```

```
when Button16 .Click  
do call BluetoothClient1 .SendText  
text "p"
```



# HC-06

