**//Code for controlling an led with mobile using Bluetooth device**

char data=0;

void setup() {

// put your setup code here, to run once:

Serial.begin(9600);

pinMode(13,OUTPUT);

}

void loop() {

// put your main code here, to run repeatedly:

if(Serial.available()>0)

{

data=Serial.read();

Serial.print(data);

Serial.print("\n");

if(data=='1')

{

digitalWrite(13,HIGH);

}

else if(data=='0');

{

digitalWrite(13,LOW);

}

}

}