

# LAMPIRAN

### LISTING PROGRAM ARDUINO

```
#include<SoftwareSerial.h>
#include<Servo.h>
Servo x;
int bttx=9; //tx of bluetooth module is connected to
pin 9 of arduino
int btrx=10; //rx of bluetooth module is connected
to pin 10 of arduinoZ
int led1=12;
int led2=13;
SoftwareSerial bluetooth(bttx,btrx);
void setup()
{
  x.attach(11); // servo is connected to pin 11
of arduino
  pinMode (led1, OUTPUT);
  pinMode (led2, OUTPUT);
  Serial.begin(9600);
  bluetooth.begin(9600);
}
void loop()
{
  if(blueetooth.available(>0) //if bluetooth module
is transmitting data
  {
    int pos=bluetooth.read(); // store the data in pos
variable
    Serial.println(pos);
    x.write(pos); //move servo head to the
given position
    digitalWrite (led1, HIGH);
    digitalWrite (led2, LOW);
    delay(1000);
  }
  else
  {digitalWrite (led2, HIGH);
digitalWrite (led1, LOW);
  }
}
```

