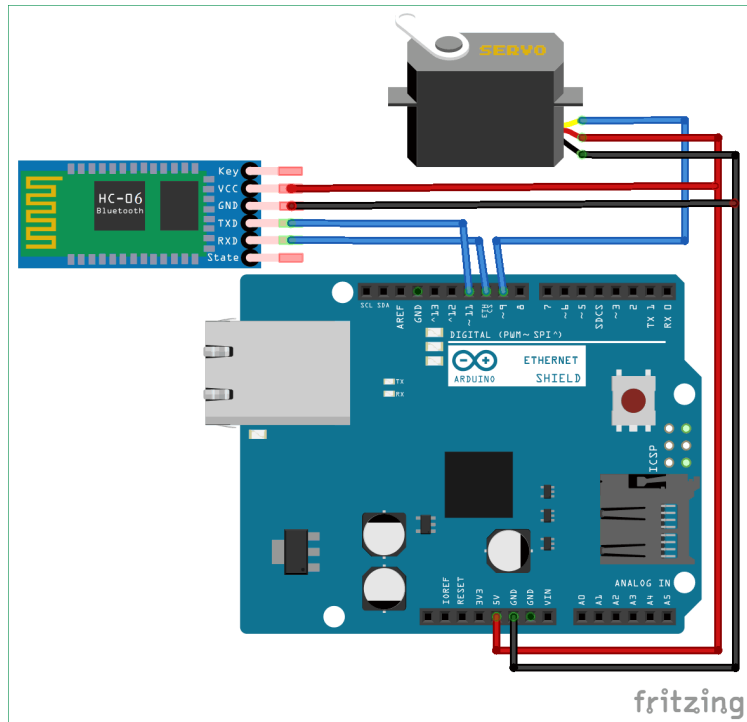


Pràctica-14: Servo-BlueTooth



```

#include <SoftwareSerial.h>
#include <Servo.h>
Servo myServo;
int TxD = 11;
int RxD = 10;
int servoposition;
int servopos;
int new1;
SoftwareSerial bluetooth(TxD, RxD);

void setup() {
  int pos=0;
  myServo.attach(9);
  myServo.write(0);
  Serial.begin(9600); // start serial communication at 9600bps
  bluetooth.begin(9600);
}

```

void loop() {

```
if (bluetooth.available())
{
String value = bluetooth.readString();
servoposition = value.toInt();

if (value.toInt() == 0)
{
Serial.println(servoposition);
myServo.write(0);
}

if (value.toInt() == 45)
{
Serial.println(servoposition);
myServo.write(45);
}

if (value.toInt() == 90)
{
Serial.println(servoposition);
myServo.write(90);
}

if (value.toInt() == 135)
{
Serial.println(servoposition);
myServo.write(135);
}

if (value.toInt() == 180)
{
Serial.println(servoposition);
myServo.write(180);
}
```

```
while(value.toInt()==1){  
  if (bluetooth.available())  
  {  
    value = bluetooth.readString();  
    Serial.println(value);  
    if (value.toInt()==2)  
    {Serial.println("YYY"); break; }  
  }  
  
  servopos++;  
  delay(30);  
  Serial.println(servopos);  
  myServo.write(servopos);  
  
  if (servopos ==180 )  
  {servopos=0;break;}  
  
}  
  
}  
  
}
```

1. **Introducció/Objectius:**
2. **Components/Materials:**
3. **Anàlisi-funcionament:**
4. **Anàlisi-Codi:**
5. **Canvis-realitzats:**
6. **Experimentacions:**
7. **Simulació-Tinkercad:**
8. **Fotos/Videos:**
9. **Aplicacions:**
10. **Problemes/Conclusions:**