

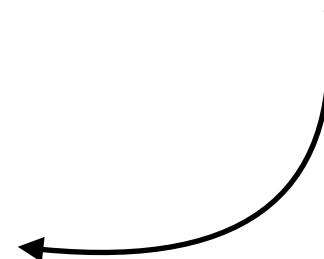
Week 7

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<https://goo.gl/L3J3Xj>



投影片檔案

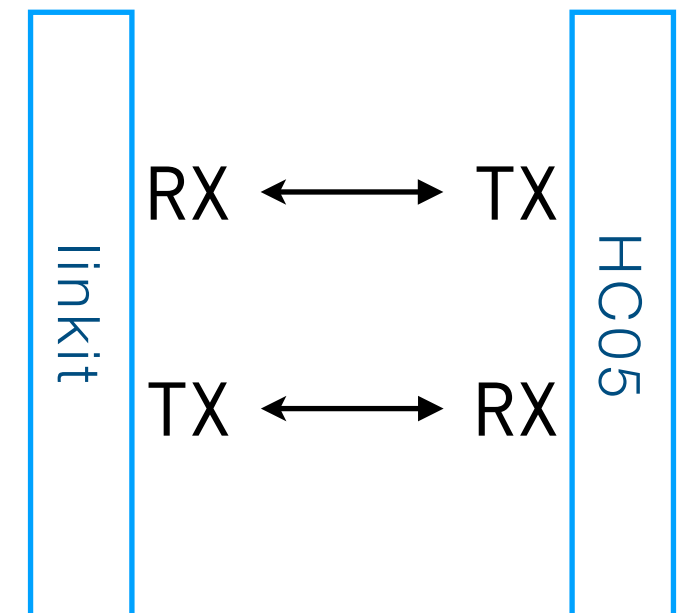


初始化

```
#include "SoftwareSerial.h"
#include "Wire.h"

                                RX    TX
SoftwareSerial I2CBT(11, 12);

void setup()
{
    Serial.begin(9600);
    I2CBT.begin(9600);
}
```



讀取藍牙指令

```
String command;  
int insize;  
  
void getBTData()  
{  
    command = "";  
    insize = I2CBT.available();  
    if (insize > 0)  
    {  
        for (int i = 0; i <= insize - 1; i++)  
        {  
            command += char(I2CBT.read());  
        }  
    }  
}
```

判斷藍牙指令

```
void loop()
{
    getBTData();
    delay(500);

    if (command == "forth")
    {
        forward();
    }
    else if (command == "back")
    {
        backward();
    }
    // 左轉、右轉、停止、其他自定義的動作
}
```

馬達控制

```
void Left_forward(int power) {  
    analogWrite(L1, power);  
    analogWrite(L2, 0);  
}
```

指令表

字串	說明
forth	前進
back	後退
left	左轉
right	右轉
stop	停止