**電通二乙微處理器實驗 實驗結報**

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| **實驗名稱** | **Lab06-CP3** | | |
| **組別** |  | **組員** | **柯鈺傑** |

1. **實驗目的**

**利用蜂鳴器發出摩斯電碼**

1. **實驗步驟**

**Arduino接蜂鳴器**

1. **程式碼**

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| **char \*morse[]={"01","1000","1010","100",**  **"0","0010","110","0000",**  **"00","0111","101","0100",**  **"11","10","111","0110",**  **"1101","010","000","1",**  **"001","0001","11","1001",**  **"1011","1100"};**  **const byte pin = 8;**  **char chr,index;**  **char \* ptr;**  **void setup() {**  **Serial.begin(9600);**  **}**  **void loop() {**  **if(Serial.available())**  **{**  **chr = Serial.read();**  **Serial.println(chr);**  **if((chr-'A')>=0 && (chr-'Z')<=0){**  **index = chr-'A';**  **ptr = morse[index];**  **while(\*ptr!='\0')**  **{**  **if(\*ptr=='0')**  **{**  **tone(pin,440,100);**  **delay(100);**  **}**  **else**  **{**  **tone(pin,440,300);**  **delay(100);**  **}**  **ptr++;**  **delay(100);**  **}**  **delay(300);**  **}**  **}**  **}** |

1. **實驗結果及分析**

**可藉由序列埠監控視窗輸入大寫音文字母後讓蜂鳴器發出摩斯電碼**

1. **心得討論**

**很有意思**