

# 計算機程式設計作業 8

103080010 林冠妙 生科院學士班

**簡易描述你的程式、你的歌曲、如何測試:**

\* 為可以自行輸入字串 \*

**注意:** 只能輸入中音的 do do# re re# mi fa fa# sol sol# la la# si

輸入總共有多少個音符(只要大於所需的即可) , 用以限定陣列大小

輸入兩個字串(音符及秒數)

使用 strtok 將輸入的字串切開 , 存入陣列中

利用 if 將 do,re,mi 等轉換為音頻(262,293 等)

將秒數\*1000 轉為程式適用的單位

用 \_beep( , )輸出聲音

**我使用的測試歌曲:小星星(總共 42 個音符)**

do,do,sol,sol,la,la,sol,fa,fa,mi,mi,re,re,do,sol,sol,fa,fa,mi,mi,re,sol,sol,fa,fa,m  
i,mi,re,do,do,sol,sol,la,la,sol,fa,fa,mi,mi,re,re,do

0.5,0.5,0.5,0.5,0.5,0.5,1,0.5,0.5,0.5,0.5,0.5,0.5,1,0.5,0.5,0.5,0.5,0.5,1,0.5,0.5  
,0.5,0.5,0.5,0.5,1,0.5,0.5,0.5,0.5,0.5,0.5,1,0.5,0.5,0.5,0.5,0.5,1

測試時 , 需先輸入總共有幾個音符 , 再將各音頻及秒數輸入(如下圖所示)

注意輸入時皆為小寫且必須依照限定的形式輸入(EX:do,re,mi) , 秒數輸入以(s)  
為單位 , 全部必須以逗號,(半形)相隔。

請輸入想要總音頻數: 42

請輸入音頻(限定中音do do# re re# mi fa fa# sol sol# la la# si)並用逗號「,」相隔:

do,do,sol,sol,la,la,sol,fa,fa,mi,mi,re,re,do,sol,sol,fa,fa,mi,mi,re,sol,sol,fa,fa,mi,mi,re,do,do,sol,sol,la,la,sol,fa,fa,mi,mi,re,re,do

請輸入秒數並用逗號「,」相隔:

0.5,0.5,0.5,0.5,0.5,0.5,1,0.5,0.5,0.5,0.5,0.5,0.5,1,0.5,0.5,0.5,0.5,0.5,1,0.5,0.5,0.5,0.5,0.5,1,0.5,0.5,0.5,0.5,0.5,1,0.5,0.5,0.5,0.5,0.5,1,0.5,0.5,0.5,0.5,0.5,1

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Process exited after 36.67 seconds with return value 0

請按任意鍵繼續 . . .