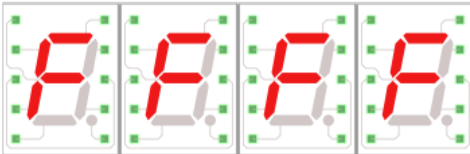


## HANDOUT #2

Library - TM1637.py



There should be a space in  
between these quotation marks!!

DO THIS IN THE SHELL >>> AREA

```
import tm1637
display = tm1637.TM1637(20, 16)
#20=CLK 16=DIO
display.clear()
display.set_values([' ', ' ', ' ', '7'])
```



```
import tm1637
display = tm1637.TM1637(20, 16)
display.clear()
display.set_values([' ', ' ', ' ', '8'])
```



```
import tm1637
display = tm1637.TM1637(20, 16)
display.clear()
display.set_values([' ', ' ', '8 ', '7'])
```

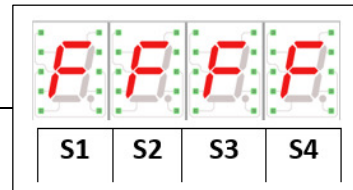


```
import tm1637
display = tm1637.TM1637(20, 16)
display.clear()
S4='8'
display.set_values([' ', ' ', ' ', S4])
```



## HANDOUT #2 (cont'd)

```
import tm1637
display = tm1637.TM1637(20, 16)
display.clear()
S1=' '
S2=' '
S3='8'
S4='7'
display.set_values([S1, S2, S3, S4])
```



DO THIS IN THE EDITOR,SAVE THE CODE AND RUN THEM

### countdown.py (count from 9 to 1)

```
import tm1637
from time import sleep
display = tm1637.TM1637(20, 16)
S1=' '
S2=' '
S3=' '
S4='9'
display.clear()
display.set_values([S1,S2,S3,S4])
sleep(1)
S4='8'
display.set_values([S1,S2,S3,S4])
sleep(1)
S4='7'
display.set_values([S1,S2,S3,S4])
```

### countdown2.py (count from 9 to 0, and 0 to 9 using for loop)

```
import tm1637
from time import sleep
display = tm1637.TM1637(20, 16)

input('Hit Enter to Count Down')
display.clear()
S1=' '
S2=' '
S3=' '
S4=' '
for count in range(9,-1,-1):
    S4=str(count)
    display.set_values([S1,S2,S3,S4])
    sleep(1)
input('Hit Enter to Count Up')
display.clear()
for count in range(0,10,1):
    S4=str(count)
    display.set_values([S1,S2,S3,S4])
    sleep(1)
```