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C203
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Problem 1

Problem:
Countdown Timer

Source Code:

```
import time

print("Timer Sample")
answer = 'Y'
while answer == 'Y':
   my_time = int(input("Enter Time is Seconds: "))
   for t in range (my_time, 0, -1):
       second = t % 60
       minute = (t // 3600 // 60)
       hour = (t // 3600)
       print(f"{hour:02}:{minute:02}:{second:02}")
       time.sleep(1)
   print("Time Is Up!!!\n")
   answer = input("Try Again?[Y/N]: ")
   if answer == 'N':
       print("Bye! Thanks for using the program")
```

Sample Output:

```
Timer Sample
Enter Time is Seconds: 10
00:00:10
00:00:09
00:00:08
00:00:07
00:00:06
00:00:05
00:00:04
00:00:03
00:00:02
00:00:01
Time Is Up!!!

Try Again?[Y/N]: Y
Enter Time is Seconds: 10
00:00:10
00:00:09
00:00:08
00:00:07
00:00:06
00:00:05
00:00:04
00:00:03
00:00:02
00:00:01
Time Is Up!!!

Try Again?[Y/N]: N
Bye! Thanks for using the program

Process finished with exit code 0
```

Problem 2

Problem:
Create N x N Multplication Table using Nested FOR Loop

Source Code:

```
Rows = int(input("How many rows: "))
Cols = int(input("How Many Cols: "))
print("Multiplication Table")

for Rows in range(1, Rows + 1):
   for Cols in range(1, Cols + 1):
       print(Rows * Cols, end="\t")
   print()
```

Sample Output:

```
How many rows: 10
How Many Cols: 10
Multiplication Table
1   2   3   4   5   6   7   8   9   10
2   4   6   8   10  12  14  16  18  20
3   6   9   12  15  18  21  24  27  30
4   8   12  16  20  24  28  32  36  40
5   10  15  20  25  30  35  40  45  50
6   12  18  24  30  36  42  48  54  60
7   14  21  28  35  42  49  56  63  70
8   16  24  32  40  48  56  64  72  80
9   18  27  36  45  54  63  72  81  90
10  20  30  40  50  60  70  80  90  100

Process finished with exit code 0
```

```
How many rows: 3
How Many Cols: 5
Multiplication Table
1   2   3   4   5
2   4   6   8   10
3   6   9   12  15

Process finished with exit code 0
```