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C203

Problem 1.
Create a countdown timer, where the user is prompted to enter time in seconds and will countdown to zero (set timer delay to 1) using timer.sleep(time_lapse). The program should prompt the user to test the timer if the answer is ‘y’ it will ask the user to enter time in second. If the answer is ‘n’ it will terminate the timer. Your response to y or n should be case insensitive.

```
import time

ans = input("Start the timer[y/n]: ")
my_time = int(input("Enter the time in seconds: "))


while ans == 'y':

   for t in range(my_time, 0, -1):
       seconds = t % 60
       minutes = (t % 3600) // 60
       hours = seconds // 3600

       print(f"{hours:02}:{minutes:02}:{seconds:02}")
       time.sleep(1)
   print("TIMES UP!!!!")

   ans = input("Try again?")

print("Thanks for using the program!")
```

Output:

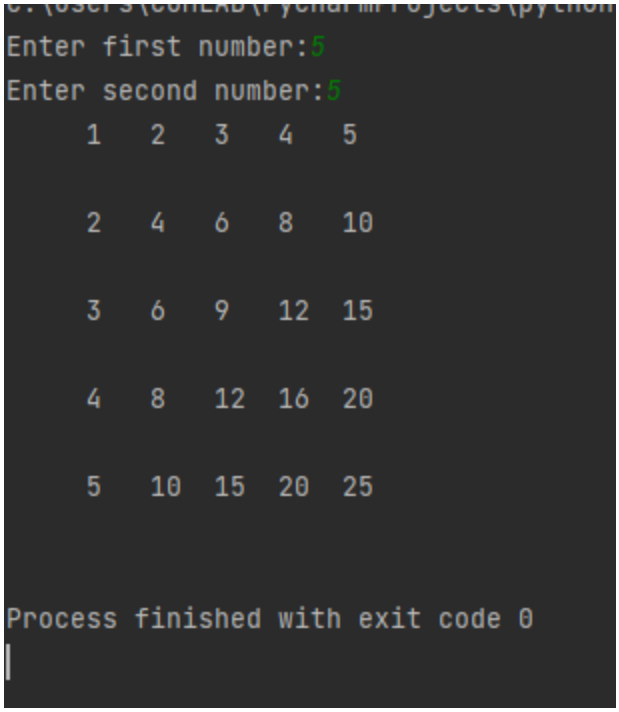
```
Start the timer[y/n]: y
Enter the time in seconds: 65
00:01:05
00:01:04
00:01:03
00:01:02
00:01:01
00:01:00
00:00:59
00:00:58
00:00:57
00:00:56
00:00:55
```

Problem 2.

```
num1 = int(input("Enter first number:"))
num2 = int(input("Enter second number:"))

for i in range(1, num1+1):
   for j in range(1, num2+1):
       print("\t",i * j, end='')

   print("\n")
```

Output:

```
Enter first number:10
Enter second number:10
    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
```


Enter first number:5
Enter second number:5
1 2 3 4 5
2 4 6 8 10
3 6 9 12 15
4 8 12 16 20
5 10 15 20 25
Process finished with exit code 0