

Question #85679

Write a program that accepts a time as an hour and minute. Add 15 minutes to the time, and output the result.

Answer:

```
# prompt for time input
time_string = input('Enter time [hh:mm]: ')
# split hours and minutes into list
time = list(map(int, time_string.split(':')))
# add 15 minutes
time[1] += 15
# convert 60 minutes to additional hour
time[0] += time[1] // 60
time[1] %= 60
# ensure the hours do not exceed 24
time[0] %= 24
# print the result in hh:mm format
print('{:02}:{:02}'.format(time[0], time[1]))
```

Screenshot

```
D:\google\GF>py time_inc_15.py
Enter time [hh:mm]: 10:45
11:00

D:\google\GF>py time_inc_15.py
Enter time [hh:mm]: 10:43
10:58

D:\google\GF>py time_inc_15.py
Enter time [hh:mm]: 7:55
08:10

D:\google\GF>py time_inc_15.py
Enter time [hh:mm]: 23:53
00:08

D:\google\GF>py time_inc_15.py
Enter time [hh:mm]: 12:00
12:15
```

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