

CSCI 121: Computer Science Fundamentals I

Quiz #1, Wednesday, September 21st, 2022

You have 20 minutes to write this code, doing your best to get the Python correct. If you can't remember some Python construct or term, perhaps for partial credit you can make one up and tell me what you meant it to be.

It is 7 minutes after midnight. A digital clock reads 12:07AM. Later on it is 135 minutes after midnight. That digital clock then reads 02:15AM. After many more minutes it is 723 minutes after midnight. The clock then reads 12:23PM. This is because $723 = 60 \times 12 + 3$. Forty minutes later it reads 01:03PM.

Write a Python script that takes an integer input `minutes` and then prints a string describing the digital clock's readout when the time of day is that integer number of `minutes` after midnight. You should have your script mimic the interaction below:

```
Minutes after midnight? 763
The clock reads 01:03PM.
```

Alternatively, for only *slightly* less credit, report the readout of a **24-hour digital clock instead**. For this simpler version, the clock would read 00:07, then 02:15, then 12:23, and finally 13:03 for each of the example times mentioned above.

```
Minutes after midnight? 763
The 24-hour clock reads 13:03.
```