1.How many seconds are in an hour? Use the interactive interpreter as a calculator and multiply the number of seconds in a minute (60) by the number of minutes in an hour (also 60).

VIVEKANAND

Ans: **>>>** 60 \* 60

3600

2. Assign the result from the previous task (seconds in an hour) to a variable called seconds\_per\_hour.

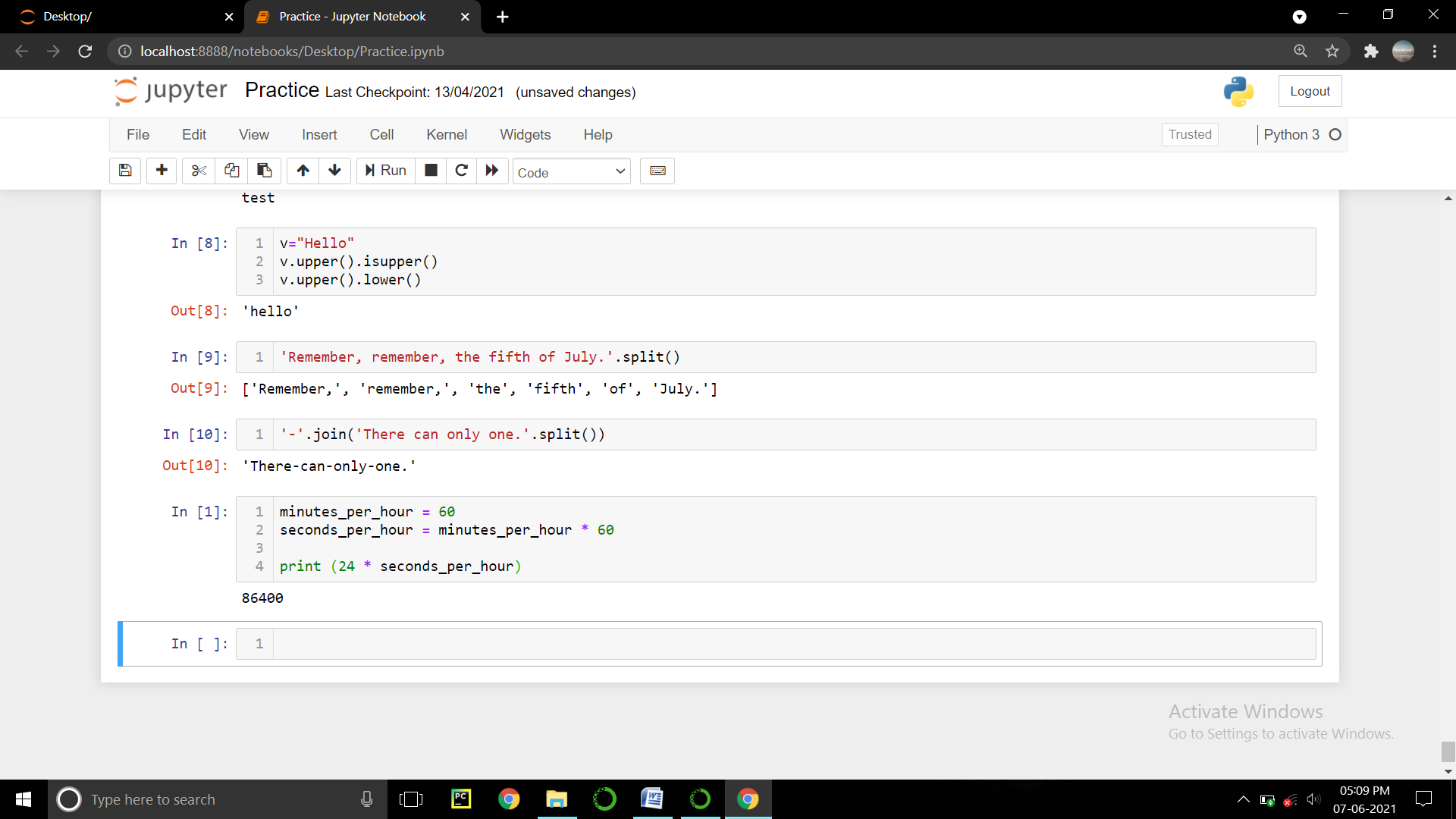
Ans: **>>>** seconds\_per\_hour = 60 \* 60

**>>>** seconds\_per\_hour

3600

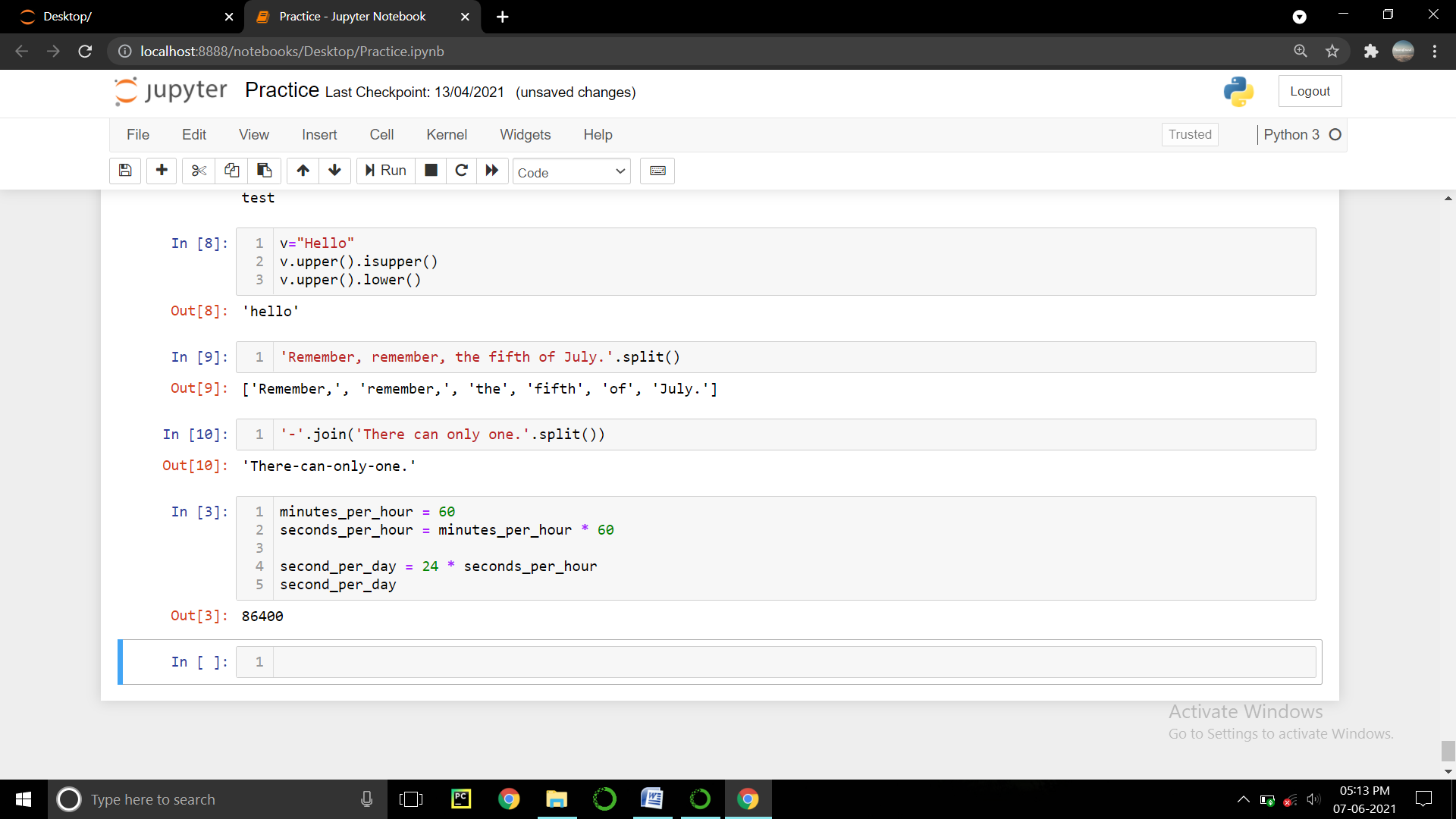
3. How many seconds do you think there are in a day? Make use of the variables seconds per hour and minutes per hour.

Ans:



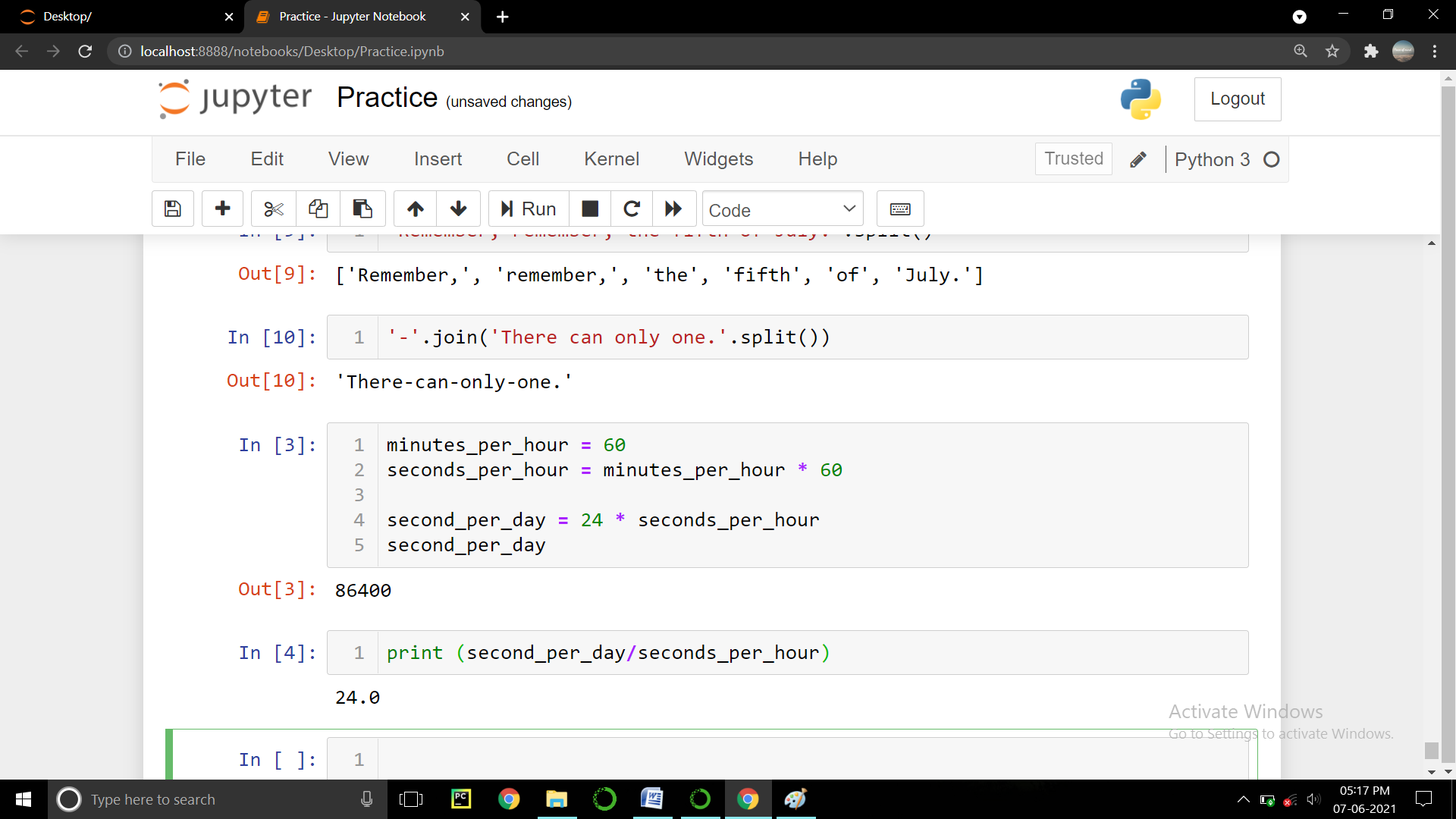
4. Calculate seconds per day again, but this time save the result in a variable called second\_per\_day

Ans:



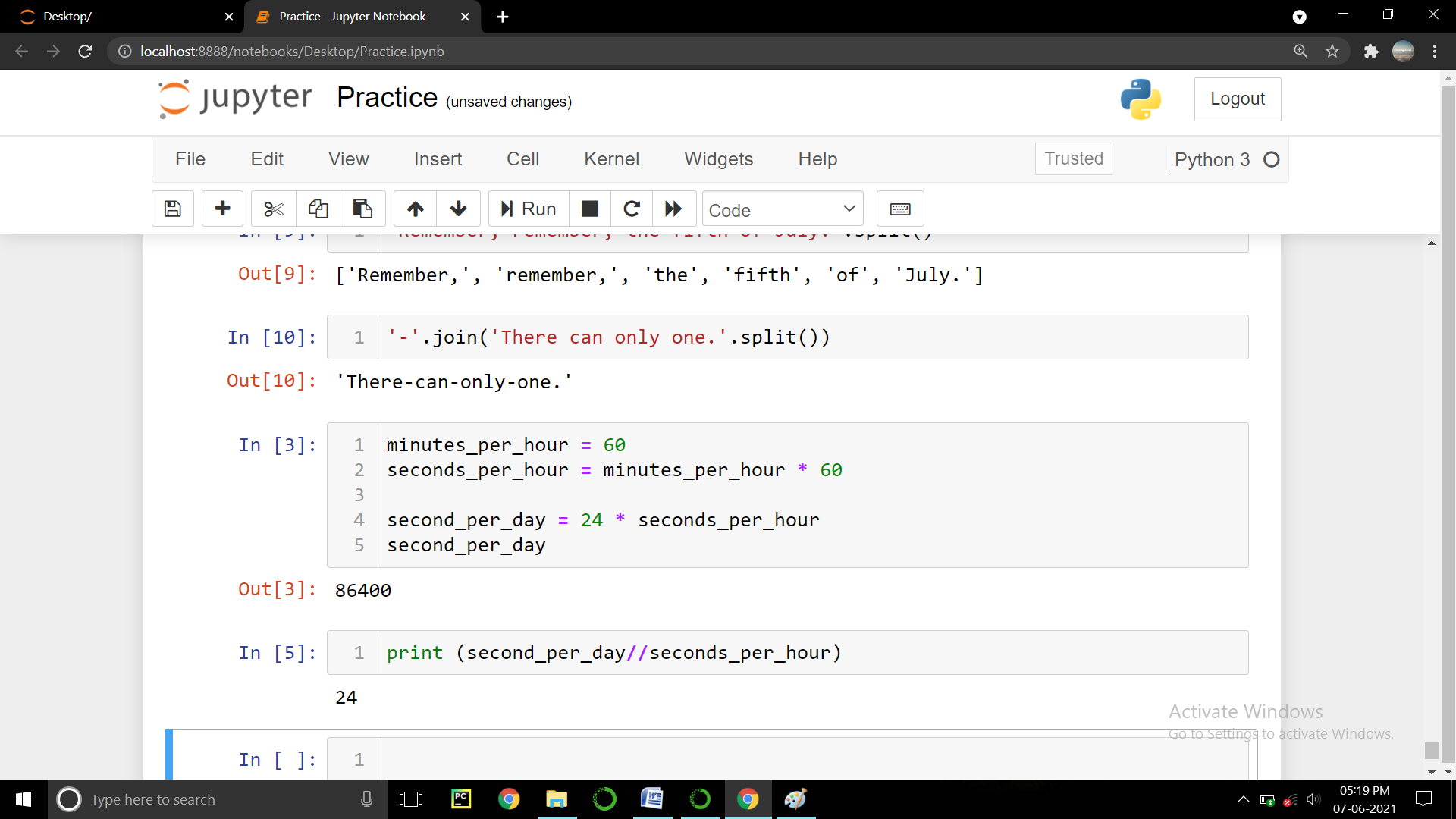
5. Divide seconds\_per\_day by seconds\_per\_hour. Use floating-point (/) division.

Ans:



6. Divide seconds\_per\_day by seconds\_per\_hour, using integer (//) division. Did this number agree with the floating-point value from the previous question, aside from the final .0?

Ans:



Yes, number agree with the floating-point value from the previous question, aside from the final .0

7. Write a generator, genPrimes, that returns the sequence of prime numbers on successive calls to its next() method: 2, 3, 5, 7, 11, ...

Ans:

