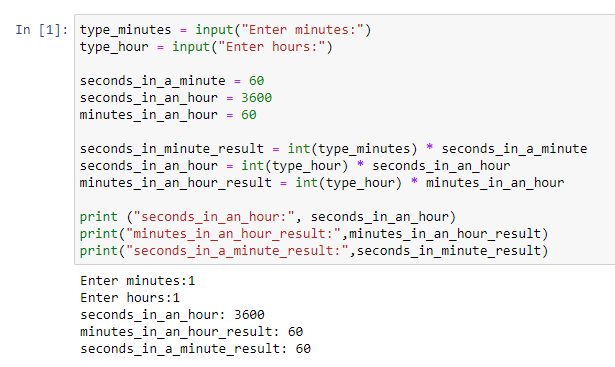
**Yashwant Desai – Assignment 15**

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).

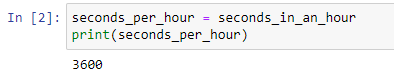
sol. 60

Answer: below is an interactive result



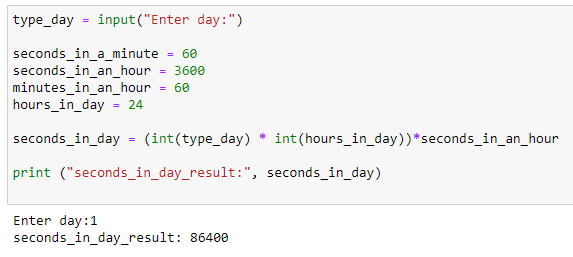
2. Assign the result from the previous task (seconds in an hour) to a variable called seconds\_per\_hour.

Answer: please find below an outcome



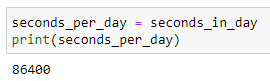
3. How many seconds do you think there are in a day? Make use of the variables seconds per hour and minutes per hour.

Answer: please find below an outcome



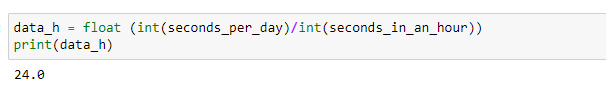
4. Calculate seconds per day again, but this time save the result in a variable called seconds\_per\_day

Answer: please find below an outcome



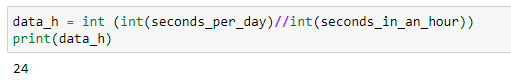
5. Divide seconds\_per\_day by seconds\_per\_hour. Use floating-point (/) division.

Answer: please find below an outcome



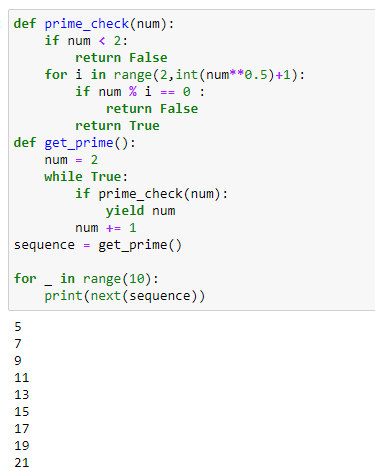
6. Divide seconds\_per\_day by seconds\_per\_hour, using integer (//) division. Did this number agree with the floating-point value from the previous question, aside from the final .0?

Answer: please find below an outcome



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

Answer: please find below an outcome



**Regards,**

**Yashwant**