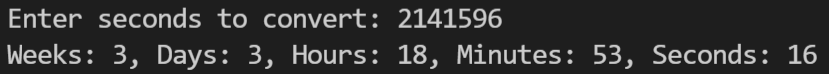
ICS 140 Extra Credit 1

This assignment is worth an extra 5 points. This assignment is to be done independently. If you need to lookup syntax or something online that’s fine, but it is important that the code you submit is your own and that you fully understand it. I reserve the right to setup a zoom call and have you walk through your code to explain how it works.

Write a program that will prompt the user to enter a number of seconds. Convert the number of seconds provided into the number of weeks, days, hours, minutes, and finally seconds. Please do not use any magic numbers in calculations. The input/output should look like the image below.



Hint: You will want to use the modulus operator.

**Python Code**

print("This Program will convert an amount of seconds you type in, into weeks, days, hours, minutes, and seconds.")

inputTime = int(input("Please enter a number of seconds you would like to get converted : "))

*# Process seconds into appropriate time intervals*

weekSeconds = 604800 *# number of seconds in a week*

daySeconds = 86400 *# Number of seconds in a day*

hourSeconds = 3600 *# Number of seconds in an hour*

minuteSeconds = 60 *# Number of seconds in a minute*

week = int(inputTime/weekSeconds)

weekRemainder = inputTime % weekSeconds

day = int(weekRemainder/daySeconds)

dayRemainder = weekRemainder % daySeconds

hour = int(dayRemainder/hourSeconds)

hourRemainder = dayRemainder % hourSeconds

minute = int(hourRemainder/minuteSeconds)

minuteRemainder = hourRemainder % minuteSeconds

second = minuteRemainder

*#display output*

print(f"{week} week(s), {day} days(s), {hour} hour(s), {minute} minute(s), {second} second(s)")

**Test Case with expected result**

Input : 49526632

Output : 81 week(s), 6 days(s), 5 hour(s), 23 minute(s), 52 second(s)

**Test Result with screenshot from program**

