7.1

Have the user enter two words into two separate strings. Take the two strings and combine the two words as a sentence and store them into a single string

* Maintain a space between the two words
* Place a period at the end of the string
* Capitalize the first letter
* Ensure all other letters are lower case

You may use the functions tolower() and toupper()

1. 7.2
2. When a new customer’s information is entered into a computer program the information should be verified to be of an appropriate format. Write a **user defined function** which accepts a long form zipcode in the form of a string and returns true when the zipcode number is valid, otherwise return false.

Verify the following:

* The zipcode number is of length 10
* If is of the format ###-#### where a # is a numerical digit
  + Detect if a dash is not present
  + Detect that a numerical digit is present in all the locations that have a #

Finally, write a main() function which prompts the user to enter in a zipcode number, calls the function created above and prints to the console the validity of the zipcode number.

7.3

Often raw data in a file will be a stream of numbers delimited by a character i.e. a file may look like the following:

2434:342

where the data is 2434, and 342

let

string numbers = “2434:342”;

Parse out the two numbers and store them as ints. Assume there will be only two number, separated by a colon, but not always 2434 and 342