Name: EXAMPLE

Date: EXAMPLE

Assignment Title: Individual Programming 1 Part 2

Summary of how the program should run:

The current program starts by asking the user for a category of this. If the user enters a term that ends in an “s”, the program will remove the ending ‘s’. The program will then ask how many items he/she would like to enter. The program will then ask for the items. The rest of the program should run as usual. It will ask for a number between 1 and n (the user-inputted number). It will print a sorted list. It will also ask for a character and check if that character exists in each of the user-inputted items.

List of changes made to the original assignment:

* Does not automatically generate a list of 5. Instead the user chooses how many items to put in the list
* Removes ‘s’ from the user-input “category of things” if it ends with an ‘s’.

Examples of the program (please also upload any attachments necessary):

##### Example 1 #####

Let's create a list of things. Think of a general category.

What category of things should we store? Animals

How many are there? 6

Animal 1: fish

Animal 2: cat

Animal 3: dog

Animal 4: bird

Animal 5: snake

Animal 6: hamster

Pick a number between 1 and 6: 2

You picked cat!

The sorted list is:

['bird', 'cat', 'dog', 'fish', 'hamster', 'snake']

Pick a character: a

[False, True, False, False, True, True]

Errors that will crash the program or cause illogical problems:

The program will crash if the user does not enter an integer between 1 and n when prompted to “Pick a number…”. The program will also crash if the user does not enter an integer when asked “How many are there?”

I removed the “s” from the user-input category since the user might enter plural versions of words. However, this does not correctly account for “-es” endings or nouns that end in ‘s’ without pluralization. See example 2.

Additional examples or other comments/notes:

##### Example 2 #####

Let's create a list of things. Think of a general category.

What category of things should we store? Bus

How many are there? 3

Bu 1: Big Blue Bus

Bu 2: LA Metro

Bu 3: Culver CityBus

Pick a number between 1 and 6: 2

You picked Culver CityBus!

The sorted list is:

['Big Blue Bus', 'Culver CityBus', 'LA Metro']

Pick a character: u

[True, True, False]