CS 511: Homework

Q1. The program should ask a user to input the values for every cell in the table. Once a user is finished entering the values, the program should display the values in the table.

A sample output of the program is enclosed:

3.5.0 (v3.5.0:374f501f4567, Mar 13 2015, 02:16:59) [MSC v.1900 32 bit (Intel)]
Python Type "help", "copyright", "credits" or "license" for more information.
[evaluate Master_Populating Multidimensional Table.py]
Processing row 1
Enter col 1 value: 1
Enter col 2 value: Jim
Enter col 3 value: 80%
Processing row 2
Enter col 1 value: 2
Enter col 2 value: Sam
Enter col 3 value: 90%
Processing row 3
Enter col 1 value: 3
Enter col 2 value: Malik
Enter col 3 value: 95%
The elements in the table are :
[[1, 'Jim', '80%'], [2, 'Sam', '90%'], [3, 'Malik', '95%']]

Q2. Write a program that take integer values from the user and computes:
(a) Sum
(b) Product &
(c) The highest number entered.
----A sample run is enclosed for your understanding---

A Sample Solution:

3.5.0 (v3.5.0:374f501f4567, Mar 13 2015, 02:16:59) [MSC v.1900 32 bit (Intel)]
Python Type "help", "copyright", "credits" or "license" for more information.
[evaluate Master_First_Last_Even_Reverse.py]
Please enter a number: 20
Please enter a number: 34
Please enter a number: 3
Please enter a number: 56
Please enter a number: 76

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Please enter a number: 2
Please enter a number: 00
Please enter a number: 65
Please enter a number: 4
Please enter a number: 333
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****Solution-Q2.**********
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Answer for Q2 (a):The sum of all the numbers is: 593
Answer for Q2 (b):The product of all the numbers is: 0
Answer for Q2 (c):The largest number you entered was: 333

Q3. Write a program that reads a sequence of input values, store it into a LIST and displays a bar chart of the values, using asterisks, like this:

****
****
****
****
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NOTE: You may assume that all values are **positive**. First, figure out the **maximum value**. That value's bar should be drawn with **40 asterisks**. Shorter bars should use **proportionally** fewer asterisks.