Chapter 10:

Please design and then code the following menu-driven program.

City and Team Names

1.  Input City and Team Names

2.  Change to all Upper Case.

3.  Change to all Lower Case.

4.  Count and display the number of words in the name

5.  Reverse the Name

6.  Display Most Frequent Character

7.  Exit Menu

Programming Rules:

Declare a character array in main.  Use a separate function for each menu item.  Pass the name around to each function.  Use the C-string functions to manipulate the name.

Validate Input Full Name for not empty.

Keep offering the menu until they choose to quit.

Appropriate use of functions required - no global variables - good programming style throughout.

Use Programs 10-12, 10-13, and 10-14 as examples.

Example:

1.  Input Full Name:  San Diego Padres

2.  Change to Upper:     SAN DIEGO PADRES

3.  Change to Lower:  san diego padres

4.  Count:                 There are 3 words in your name.

5.  Reverse Name:    serdap ogeid nas

6.  Most Letters:       The most used letter in your name is 'A' with a count of 2

7.  Exit:                   Now Exiting... Goodbye!

Do not allow any of the options 2-6 to be selected unless a name is entered.

See below

