String Related Problems

(Total 12 questions)

SL	Problem statement	Difficulty levels
1.	Program that will take as input an uppercase letter, and convert it into a lowercase letter. <table><tr><td>**Sample input**</td><td>**Sample output**</td></tr><tr><td>A</td><td>a</td></tr><tr><td>M</td><td>m</td></tr><tr><td>5</td><td>Wrong input</td></tr></table>	*
2.	Program that will take as input a letter, and toggle the case of the letter. <table><tr><td>**Sample input**</td><td>**Sample output**</td></tr><tr><td>A</td><td>a</td></tr><tr><td>m</td><td>M</td></tr><tr><td>5</td><td>Wrong input</td></tr></table>	*
3.	Program that will take as input a digit, and convert it into its numerical representation. <table><tr><td>**Sample input**</td><td>**Sample output**</td></tr><tr><td>1</td><td>1</td></tr><tr><td>5</td><td>5</td></tr><tr><td>A</td><td>Wrong input</td></tr></table>	*
4.	Program that will take as input a string, and find out its length. <table><tr><td>**Sample input**</td><td>**Sample output**</td></tr><tr><td>SPL Laboratory</td><td>14</td></tr><tr><td>United International University</td><td>31</td></tr></table>	*
5.	Program that will take as input a string, and convert all the uppercase letters in it to lowercase. <table><tr><td>**Sample input**</td><td>**Sample output**</td></tr><tr><td>CSI 122</td><td>csi 122</td></tr><tr><td>United International University</td><td>united international university</td></tr></table>	*

6.	Program that will take as input a string, and toggle cases of all the letters.	*
	Sample input / **Sample output**: | Sample input	Sample output	 |---|---| | SPL Laboratory	spl lABORATORY	 | United International University	uNITED iNTERNATIONAL uNIVERSITY		

7.	Program that will find out if a given string is a palindrome or not.	**
		Sample input	Sample output	 |---|---| | civic	Palindrome	 | economic	Not palindrome		

8.	Program that will take as input two strings, and find out the one that is lexicographically greater than the other. *A lexicographically greater string appears later in a dictionary.*	**
		Sample input	Sample output	 |---|---| | SPL Lab SPL Lad	SPL Lab	 | SPL Lab SPL Bad	SPL Bad	 | SPL Lab SPL Lab	Both equal	 | SPL Lab SPL Laboratory	SPL Lab		

9.	Program that will copy the contents of a string to another.	*
		Sample input	Sample output	 |---|---| | SPL Lab	SPL Lab	 | United International University	United International University		

10.	Program that will take as input two strings str1 and str2, and concatenates the contents of str2 to the end of str1.	**
		Sample input	Sample output	 |---|---| | SPL Laboratory Discrete Math	SPL LaboratoryDiscrete Math		

11.	Program that will take as input two strings str1 and str2, and find out if str2 is a substring of str1.	***

Sample input	Sample output
SPL Laboratory Lab	Substring
SPL Laboratory APL	Not substring

| 12. | Program that will take as input a string (containing letters and spaces only), and print the words contained in the string in separate lines. | *** |

Sample input	Sample output
SPL Laboratory	SPL Laboratory
United International University	United International University