SIR SYED UNIVERSITY OF ENGINEERING & TECHNOLOGY
SOFTWARE ENGINEERING DEPARTMENT

Fall 2020F

Programming Fundamentals (SWE-102)
Assignment # 2

Semester: I **Batch: 2020**
Max Points: 10

Instructions:

- Attempt all questions
- Do not copy or cheat from any one, make your own effort. If any assignment found copied it will straight away be rejected.
- All questions solution contains Source Code and Output snapshot using Python Thonny IDE.
- There is no maximum page limit.
- Assignment should be in MS Word document. The Word file should be submitted by converting it to a single PDF file.
- Mention your full name and roll number on the first / front page. The page numbers must be mentioned at the right bottom corner in the whole assignment.
- The maximum font size for text is 12 and for heading is 14. The font could be Arial or the Time New Roman

Question 1 **[5 points]**

Write down the description, syntax and example of the following methods in python.

a) upper() b) lower() c) title() d) print() e) strip()
f) rstrip() g) lstrip() h) split() i) input() j) eval()

Example Solution

Method	Syntax	Description	Example
upper()	*string*.upper()	The upper() method returns a string where all characters are in upper case. Symbols and Numbers are ignored.	**Code:** var="hello" print(var.upper()) print("python".upper()) **Output:** >>> %Run string.py HELLO PYTHON

Question 2 **[5 points]**

Write a python program to take string phrase input from the user through keyboard. The program should be able to print the following.

(a) Total Vowels (upper or lower case character) in the given string phrase.
(b) Total Consonants (upper or lower case character) in the given string phrase.
(c) Total Spaces in the given string phrase.
(d) Total words in the given string phrase.
(e) Total characters in the given string phrase excluding spaces.

Sample Output:
Enter a string phrase = Python is Fun
Total Vowel = 3
Total Consonant = 8
Total Spaces = 2
Total Words = 3
Total Characters = 11