

**Python Programming Laboratory (CSL48)**

USN:

Week #: 05

Semester:

Section:

Date:

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**Instructions:**

- **Implement the following programs using python language.**

**Programs:**

1. Develop a python program to count all the occurrences of vowels, consonants and digits from the given text using Regular expressions.
2. Develop a python program to match all the occurrences of a word which has an "A/a" followed by
  - i. Zero or more b's
  - ii. Zero or one b
  - iii. One and more b's
  - iv. Four consecutive b's followed by a "c"
3. Develop a python program to read an USN and check if the USN starts with "1MS" and ends with "0". The length of the USN must be strictly 10. Display the appropriate results.
4. Develop a python program to read 20 random numbers. Display all the odd numbers from this list which are of length 2 and 4.
5. Develop a python program to search word in a string and display the location within the original string where the pattern occurs. If the pattern occurs multiple times, then display all the locations. Replace the pattern with another word.
6. Develop a python program to read a C-program and display all the keywords. Display the keywords and their locations. Search for the "int, float, while, for, if, if else, else, switch, printf and scanf" keywords in the program.
7. Develop a python program to read convert a date of yyyy-mm-dd format to dd-mm-yyyy format.
8. Develop a python program to find all three, four and five characters long word in a string.

9. Develop a python program to find all the urls in given string.

<b>EVALUATION</b>			
<b>Program</b>	<b>Remarks</b>	<b>Marks</b>	<b>Faculty Signature</b>
<b>Program - 1</b>			
<b>Program – 2</b>			
<b>Program – 3</b>			
<b>Program – 4</b>			
<b>Program – 5</b>			
<b>Program – 6</b>			
<b>Program – 7</b>			
<b>Program – 8</b>			
<b>Program – 9</b>			