

IT21L: Python Programming- Lab Assignment1

1. Write a program to perform following operations on list
 1. Sum all the items in a list.
 2. Get the largest number from a list.
 3. Remove duplicates from a list.
 4. Separate positive and negative number from a list.
 5. Filter even and odd number from a list.
2. Write a program to perform following operations on string
 1. Reverse string.
 2. Count vowels and consonants in a string.
 3. Count the number of letters in a word.
 4. Convert lower letter to upper and upper letter to lower in a string.
 5. Count lower, upper, numeric and special characters in a string.
3. Write a program to perform following operations on dictionary
 1. Check whether a given key exists in a dictionary or not.
 2. Iterate over dictionary items using for loop.
 3. Concatenate two dictionaries to create one.
 4. Sum all the values of a dictionary.
 5. Get the maximum and minimum value of dictionary.
4. Write a program to print
 1. First 10 natural numbers
 2. First 10 even numbers in reverse order
 3. Table of a number accepted from user
 4. First 10 prime numbers
5. Write a program to print following patterns

<pre>1 1 2 1 2 3 1 2 3 4</pre>	<pre>* * * * * * * * * *</pre>	<pre>5 5 5 5 5 4 4 4 4 3 3 3 2 2 1</pre>	<pre>A B C D E F G H I J K L M N O</pre>
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