**Programming Questions – Part-I**

**Submission Deadline: 11-Dec-2018**

**Language: Any Programming Language**

**Note: This is Individual Assignment**

1. Write a program which should count Vowels in the strings and return vowels in reverse order if vowels are more than 3.
2. Write a function which should add the two vowels in the arrays and generate third array and store vowels only once if repeated.
3. Write a program to return the third and last largest number in the array if first largest number is greater than second largest by 20%.
4. Given a string and a non-negative int a, return a larger string that is n copies of the original string.   
     
   string\_times('test', 2) → ‘testtest'  
   string\_times('test', 3) → 'testtesttest'
5. Given an array of ints, return true if 1, 2, 3 all appears in the array somewhere.   
     
   array123([1, 1, 2, 3, 1]) → True  
   array123([1, 1, 2, 4, 1]) → False  
   array123([1, 1, 2, 1, 2, 3]) → True
6. Given 2 arrays of ints, a and b, return True if they have the same first element or they have the same last element. Both arrays will be length 1 or more.   
     
   common\_end([1, 2, 3], [7, 3]) → True  
   common\_end([1, 2, 3], [7, 3, 2]) → False  
   common\_end([1, 2, 3], [1, 3]) → True

If count of such matches is more than total number of array elements then copies the element of first array into second and second into first.

1. Given 3 int values, a b c, return their sum. However, if one of the values is the same as another of the values, it does not count towards the sum.   
     
   lone\_sum(1, 2, 3) → 6  
   lone\_sum(3, 2, 3) → 2  
   lone\_sum(3, 3, 3) → 0
2. Write a the function Word (sen) take the sen parameter being passed and return the largest word in the string. If there are two or more words that are the same length, return the first word from the string with that length.
3. Write a function Alphabet (str) take the str string parameter being passed and return the string with the letters in alphabetical order (ie. hello becomes ehllo).
4. Read numeric values from Text file ( atleast 500 values) and load the data into binary tree and then traverse it using In-Order Traversal
5. Write a Program which should read text from file and display list of all sentences which have atleast two consecutive alphabets in it otherwise write sentence in another file.