Computer Programming [IIITS]
Semester : First Semester 2021-2022
Assignment: Lab Assign-5
Date: 17/01/2022
Duration: 3 hours
Max Marks : 20

Instructions:

1. Please carefully read all assignment problems and write the required programs in the C language.

2. All the PROBLEMS are COMPULSORY.

3. You should submit only a single C file containing all your answers. Make sure that during submission, no part of your code is commented.

4. Name the file as follows: $S2021xxxxx\_A5.c$

5. DO NOT zip. Upload a single .c file directly to your submission in the common Google classroom.

6. Don't share or copy the codes. If malpractice found, you will be awarded Zero.

Note: If you do not follow the above-mentioned instructions, a strict penalty would be imposed.

Write a C program for the following problems without using arrays. Note that zero marks will be awarded if you use the arrays.

1. Read the text of line and print the sum of integers (both positive and negative) presented in the text.

   - Input: $aq12cs-23/2;j054x$
   - Output: sum= 45 , that is, 12-23+2+54 = 45.

2. Read the text of line and print the sum of non-negative integers presented in the text.

   - Input: $ab12cs-21/2sj54t$
   - Output: sum= 68 , that is, 12+2+54 = 68.

3. Write program, which reads 'k' and numbers till 'k' number of -1's are given. The program finds the sum of those numbers.

   - Input: $k = 3$ and $qw6s4qw52fg-1+3-1we6vf3sa\ -1mjd93op-1oi$
   - Output: sum= 74, that is, 6+4+52-1+3-1+6+3-1 = 71.

4. Write program, which reads numbers till two consecutive -1's are given. The program finds the sum of those numbers.

   - Input: $q5we2a-1qa3fr-1+6dfg5sde5re3-1-1ase23mkd-1ku$
   - Output: sum= , that is, 5+2-1+3-1+6+5+5+3-1-1 = 25.