Lab Exam

Instructions:

1. Duration – 1 hour (5:45 to 6:45 PM)

2. Evaluation components:

   - Pseudocode – 3 marks

   - Relevant coding for the given question – 10 marks

   - Well aligned user interactive output (with relevant coding) – 7 marks

3. Save your program now and then.

4. Prepare a document with the following:

   a. Question No.

   b. Question

   c. Pseudocode

   d. Source code

   e. Output screenshot

5. If and only if you execute your program successfully, you can keep the output screenshot. Detailed output screenshot for each menu choice and other extreme conditions is expected.

6. Give the output screenshot for atleast two different inputs.

7. If you end up with error, no need to keep the output screenshot.

8. Upload your document in VTOP. Documents uploaded after 6:50 PM will not be evaluated. If your file is not available in VTOP, then your mark will be 0.

9. General user interactive program that takes run time input is expected.

10. Your program must work for any given input.

11. The data given in the questions are just sample to verify your output.

12. **If any kind of malpractice is identified, mark will be 0.**

Questions:

1. Write a menu-driven C program to input a string. Break the input string into substrings based on the occurrence of vowel and then store each substring in a linked stack. Display the top element of stack. Delete top element and count the number of occurrence of each character in the deleted element.

> Sample Input: computers
>
> Sub-strings in stack:
>
>   co mpu te   rs
>
> Stack top: rs
>
> No. of occurrence: r = 1; s = 1

2. Write a menu-driven C program to input a string. Break the input string into substrings based on the occurrence of vowel and then store each substring in a linked queue. Display the front element. Delete front element and count the number of occurrence of each character in the deleted element.

> Sample Input: computers
>
> Sub-strings in queue: co   mpu   te   rs
>
> queue front: co
>
> No. of occurrence: c = 1; o = 1

NOTE: Scroll down to view the question no. allotted to you.

Sl. No.	Reg. No.	Name	Question No. for Exam
1	17BEC0124	SARDESAI ANCHEET AJAY	1
2	17BEC0254	KANDATI PUNEETH	2
3	17BEC0525	HARSHIT TIWARY	1
4	17BEC0721	ANUBHAV SINGH	2
5	17BME0089	EMIL JOHN THOMAS	1
6	18BCE2332	AJAYJITH NEDUMATTUMMAL SREEJITH	2
7	18BEC0300	PILLA ADIVISHNU MURTHY	1
8	18BML0098	SELAMAWIT GETACHEW TEKLE	2
9	18BML0118	TADESSE BELETE TEFERI	1
10	18BML0126	GELGELO LIBEN DUBA	2
11	18BML0133	TSEGANESH SHEWA SHENO	1
12	18BSW0014	N LOHITT VENKATA SAAI	2
13	19BCB0004	ATRIJO GANGOPADHYAY	1
14	19BCB0019	ANUKRITI VERMA	2
15	19BCB0095	UJJWAL HASANAND NASRA	1
16	19BCB0125	HARSHVARDHAN MISHRA	2
17	19BCE0033	VRUSHALI DESHMUKH	1
18	19BCE0053	TARANG GARG	2
19	19BCE0238	ROUTU VENKAT SAI SAMPATH	1
20	19BCE0241	ABHINAV GORANTLA	2
21	19BCE0479	ANMOL SAHU	1
22	19BCE0537	AEBEL MATHEW	2
23	19BCE0579	TUNUGUNTLA SAI VENKATA SAKETH	1
24	19BCE0599	DHANANJAY GUPTA	2
25	19BCE0619	MIHIR GUPTA	1
26	19BCE0633	PARAG SINGH	2
27	19BCE0679	VISHAL MITTAL	1
28	19BCE0762	JEYA SANTHOSH KUMAR D	2
29	19BCE0763	JAGIRDAR ROHIT	1
30	19BCE0814	KANDULA MONA REDDY	2
31	19BCE0829	KANDRA KSHEERAJ	1
32	19BCE0876	CHINMAY SHARMA	2
33	19BCE0908	AADITYA SHANKAR NATARAJAN	1
34	19BCE0941	K SHASHANKA REDDY	2
35	19BCE0954	BATTULA SHANMUKH REDDY	1
36	19BCE0957	VATSAL PODDAR	2
37	19BCE0971	AASHISH SHARMA	1

Sl. No.	Reg. No.	Name	Question No. for Exam
38	19BCE0995	ASHMITHA APPANDA RAJU	2
39	19BCE2041	BUDDHI ROHAN SAI	1
40	19BCE2103	ANIKET SINGH	2
41	19BCE2214	SHAINA AGARWAL	1
42	19BCE2232	SIDDHARTH AGRAWAL	2
43	19BCE2291	NIRZAR PURVANG MODI	1
44	19BCE2389	ANANYA KONDALRAJ	2
45	19BCE2412	JANHAVI KHARE	1
46	19BCE2432	AKHIL BHIMARASETTY	2
47	19BCE2434	SAMHITH SHUSHRUT JUTURU	1
48	19BCE2438	KRISTEN MATHEW D SOUZA	2
49	19BCE2440	RIA ARUN	1
50	19BCE2452	DIVA BHATIA	2
51	19BCE2471	BHASKAR SREENIVAS PAVAN AKKENA	1
52	19BCE2480	CATHERINE XAVIER	2
53	19BCE2481	UMAR MURTUZA SYED	1
54	19BCE2505	TANYA BATRA	2
55	19BCE2595	RUJIN SHRESTHA	1
56	19BCT0008	SHIV SAI INDRAKANTI	2
57	19BCT0031	KUNALA PRANEETH	1
58	19BCT0032	LIKHITHA MODUGULA	2
59	19BCT0229	VASA RAGHAVA KAMI REDDY	1
60	19BDS0022	ARYAN DHAWAN	2
61	19BDS0032	BASI R VISHNU SAI VARDHAN REDDY	1
62	19BDS0070	KOTHA BRINDA VIVEK	2
63	19BDS0131	ARMAN JOE LYNDON	1
64	19BDS0144	JYOTHI K C	2
65	19BML0005	SABBISETTI SRI SAI KEERTHI	1
66	19BML0008	ATTURU VARSHITH SAI	2
67	19BML0012	ABHIRAMALAKSHMI S	1
68	19BML0021	RAYAPUDI JAYA SAI RAM KARTHIKEYA	2
69	19BML0055	RAJAT TIWARI	1
70	19BML0058	NUNNA PRASANNA KUMAR	2