1. Define the following: Data, Data Objects, Data Structures with examples.
2. Implement a program to compare two strings, using user defined functions.
3. Explain the classification of data structures.
4. Explain the different datatypes used in C.
5. Write a note on Structures with code snippets.
6. Explain arrays and its types by providing examples.
7. Explain space and time complexity. Discuss the method used to find the frequency count and time complexity.
8. Write a program to add two matrices using 2D arrays.
9. Explain Asymptotic notations: Big-O, theta and omega.
10. What is LL? Explain its types.
11. Implement a program to add two polynomials using LL.
12. What is SLL? List all the operations performed on SLL. Explain those operations.
13. What is DLL? How is it different from SLL?
14. Differentiate among SLL, DLL and CLL.
15. Give the advantages of DLL over SLL and CLL over DLL.