**RCS355/RCS455: DATA STRUCTURE USING C**

**Program in C for the following:**

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| **S.no.** | **Objective** |
| **1** | **To implement addition and multiplication of two 2D arrays.** |
| **2** |  **To transpose a 2D array.**  |
| **3** |  **To implement stack using array.**  |
| **4** |  **To implement queue using aray.** |
| **5** |  **To implement circular queue using array.** |
| **6** |  **To implement Linear Search.** |
| **7** |  **To implement Binary Search.**  |
| **8** |  **To implement Bubble Sorting.** |
| **9** |  **To implement Selection Sorting.**  |
| **10** |  **To implement Insertion Sorting.**  |
| **11** | **To implement Quick sorting** |
| **12** | **To implement Linked List using Structure** |
| **13** | **To implement Reverse Linked List** |
| **14** | **To implement Tree using Linked List** |
| **15** | **To implement Stack using Linked List.(done in cs1)** |
| **16** | **To implement Queue using Linked List(Has to be done)** |
| **17** | **Implementation of DFS and BFS.** |

**Note\*- Green text are completed in lab.**