**24-April -2021 Lab Exercises**

1. Create a Book Index which consists of Key terms, Description and Page Number (Use Splay tree for implementation). Perform the following operations:
   1. Insert into the Book index with appropriate key term, description and page number if a new term comes.
   2. Delete the entry from the book index if the term is no longer needed.
   3. If key term is given as input, corresponding description has to be retrieved and the key term should splay to the top of the tree.
   4. Find the key terms which are frequently searched. Display the number of times each key term has been searched in descending order.
   5. Suitable display operations for every operation stated above.
   6. Display of all key terms if a partial match occurs for 3 letters – Once the user chooses the appropriate term from the list of key terms displayed – corresponding description has to be displayed.