COSC 2007: Data Structure II

Assignment#4

Exercie#1

Write the details algorithm and convert into java code for the solution of 2-3 tree.
  1- Construct 2-3 tree with at last 10 key values
  2- Search the particular key value present in the 2-3 tree or not.
  3- Delete any one leaf node which has single key value.

Strategies to be used:
  - 2-3 tree Algorithm

Methods/Functions: You can define any number of methods as you like.

Input: The input 2-3 tree should be at lease 10 key values tree.

Output: The output should be displayed based on the choice.

What to submit: The submission is Assignment4

How to submit an Assignment: You can prepare a document either text file or pdf file. Course name, Student name, and student number should be written at the top of a report. You can submit assignment through Assignment#5 from your Moodle account. You have to submit java source file too.

Submission Due: The submission due is March 30, 2024.

Submission Report Format:

<div align="center">

Assignment1

<Course Name>

<Student Name>

<Student Number>

</div>

Exercise No

<Type the question here>

Algorithm/ Pseudocode

Code

Output

Conclusion

Note: Java source code submission is compulsory, otherwise assignment will not be graded.