Assignment 4: B+ Tree Implementation (Documentation)

Group Members:

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Overview

This documentation outlines the comprehensive approach our team adopted to conquer the B+ tree assignment. WhatsApp served as our primary communication channel, ensuring effective coordination among team members.

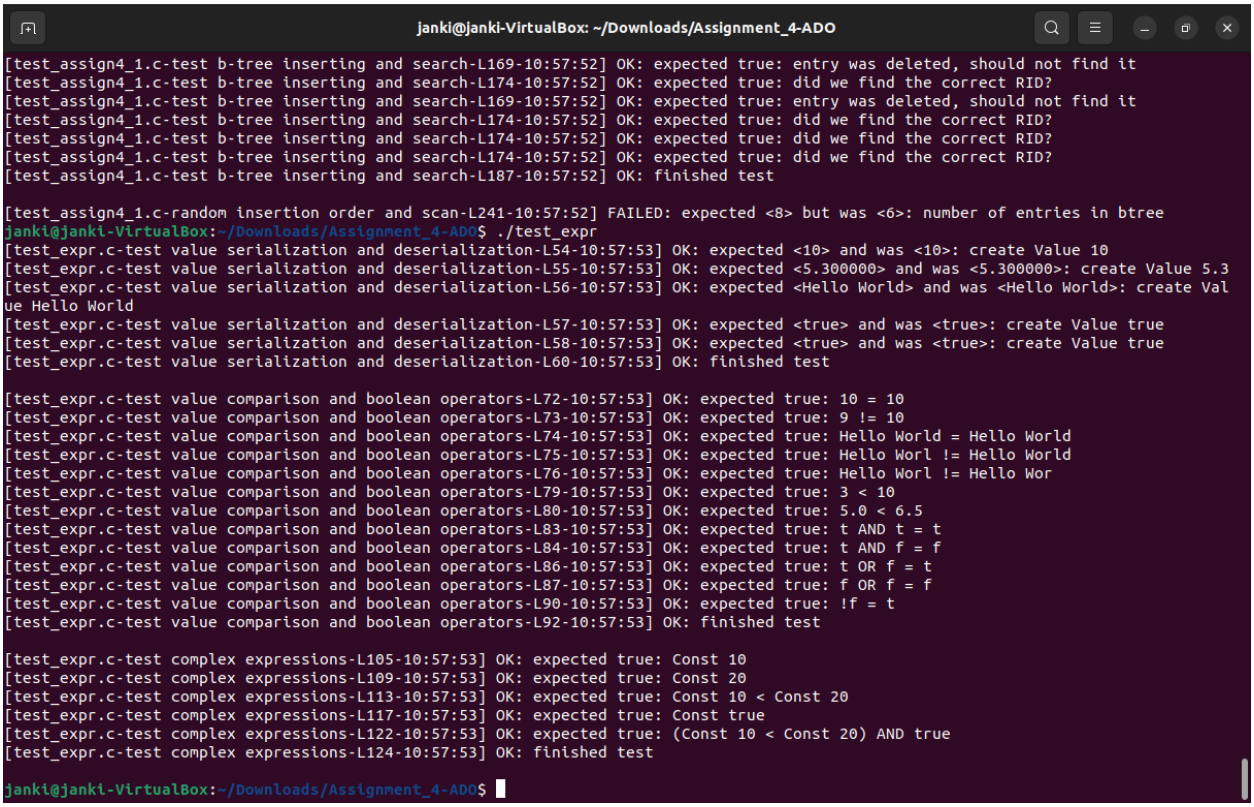
Process Summary:

- **Establishing Communication:** At the project's onset, we formed a WhatsApp group. This platform facilitated instant messaging, resource sharing, and continuous discussions, ensuring everyone was on the same page.
- **Understanding the Task:** Through an extensive virtual meeting, we collectively dissected the assignment guidelines, requirements, and expectations. This allowed us to build a cohesive understanding of the task's scope and intricacies.
- **Task Allocation:** We divided the assignment tasks fairly among team members, considering their individual strengths and expertise:

  B-tree functions, Access functions, Index Access functions:

  - **Anjali Asnani:** B-tree Index (create, destroy, open & close), Documentation
  - **Janki Thakar:** getNumEntries, getKeyType, getNumNodes functions
  - **Krishna Panchal:** insertKey, deleteKey functions
  - **Shreya Padaganur:** openBtree, closeBtree, deleteBtree functions
- **Individual Work:** Each member diligently worked on their designated task, leveraging their unique skills and knowledge to ensure quality output.
- **Collaborative Review:** We reconvened on WhatsApp regularly, engaging in detailed discussions to offer constructive feedback and refine sections of the assignment. This collaborative approach ensured consistency and coherence across the entire project.

- **Finalizing the Assignment:** As a team, we consolidated our individual contributions and performed a comprehensive review. Through this process, we detected errors and inconsistencies, rectifying them collectively to enhance and refine the assignment prior to submission.



Conclusion

Our team's approach relied on effective utilization of WhatsApp as a communication tool, fostering seamless interaction, task distribution, and collaborative refinement. Beyond meeting the assignment's technical requirements, this experience significantly bolstered our teamwork, problem-solving capabilities, and emphasized the pivotal role of clear communication in achieving shared objectives.