Assignment 4 - File Systems

Deadline: 7th November 2024

Problem

Create 3 files whose sizes are in the range of KB, MB and GB and perform the following tasks

Task 1

- Collect the inode number and block numbers for the information stored.
- Now delete the files and try to reconstruct the file from the inodes and blocks.
- Try to modify the file attributes like creation time by directly modifying the inode information.
- Briefly explain the approach and observations in the report.

Task 2

- Measure the random access times for the 3 files respectively. Explain your observations and reason them out.

Submission Guidelines

1. Add any script/code used in the tasks along with `Report.pdf` file and zip it in `RollNo.zip` format.
2. Be precise when stating the observations, approaches and conclusions in the report. Report carries very high wieghtage