

Database Systems Lab

Lab 05

Building in-memory BST Index for a data file

In this lab session, you will build a Binary Search Tree (BST) index as part of the Personal Data Store (PDS) implementation.

Activity Details

- a. Refer to the given pds.h file for instructions on the changes to be done to PDS functions
- b. A driver program called pds_tester is given to you. This file takes a file with commands such as (STORE, RETRIEVE, OPEN, CLOSE) inside.
- c. Test your program thoroughly with the driver program and test case file. One sample test case file is given to you

Commands

- Use the following command for creating pds_tester executable:

```
gcc -o pds_tester contact.c pds4.c bst.c pds_testerv4.c
```

For testing using pds_tester, use the following command:

```
pds_tester testcasev4.in
```

Submission

Upload ONLY the following file to LMS:

pds4.c

roll_number_contact.c

YOU ARE NOT EXPECTED CHANGE ANY OF THE FILES GIVEN TO YOU