Database Systems Lab

Mid-Term Exam

PART A (35 marks): Objective Exam in Codetantra

PART B (25 marks): Coding Exam in Moodle

Duration 90 minutes

OVERWRITE Operation

In this mid-term exam, you will implement the OVERWRITE operation to modify existing record in the data file by overwrite entire old record with a new record.

In rollno_pds.c

```
// Overwrite an existing record with a new record
// Return relevant error code if record does not exist or any other error
// This implementation overwrites existing record with the given object
int pds_overwrite( int key, void *rec );
```

In rollno_contact.c
- Implement contact_overwrite operation as per the prototype given in contact.h

```
// Overwite existing contact with the given contact pds_overwrite
// Hint: call the PDS function as follows
// pds_overwrite(c->contact_id, c);
int ovewrite_contact( struct Contact *c );
```

Testing

a. The following driver program is given to you:
  - pds_tester.c (generic testing with input data file like testcase.in)
b. Test your program thoroughly with the above driver program by creating your own test input files. One sample test case file is given for your reference. Your code will be tested with additional test cases

Submission

Upload the following to LMS as a zipped file (IMTXXXXXXX.zip):

- rollno_pds.c
- rollno_contact.c

Make sure you only use with the bst.c provided to you.

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