**Database Laboratory Assignment # 5**

1. Create a collection of elements with data type same as balance attribute in Q 5 (Assn # 3). The collection should be indexed by Accname attribute. Insert elements in the collection as balances of respective account holder’s account from Account Table. Then perform the following(s):
2. From the collection, find the balance of an account of a given customer name. If balance is <100, print “low balance account”
3. Delete an element indexed by accname. Then execute the previous query. If no element exists, print “record not found”
4. Raise balance of a given customer by 3% as interest in the collection. Then, update the same in the account table by accessing element from the collection.
5. Count the number of elements in the collection is less than 100, print “less customer branch”
6. Find the Name of the customer account details from Account table whose name contains “TH” as substring.
7. Create a table of student records with following information: <Sroll, name, branch, gender, CGPA>. Then, perform the following(s):
8. Fetch CGPA and branch of a given sname. If record not found raise exception with message “ student doesn’t exist”
9. Find the names of the students whose CGPA is maximum for a given branch. More than one student may have same CGPA.
10. If the number of records in the table is < 5, raise exception with message “less populated” table.
11. Display the details of all Girl students in a given branch from the table.
12. Create a collection of your own. Test the following API methods and raise user-defined exceptions for the following(s) on the collection:
13. NEXT(n), EXTEND(n), First, DELETE(n)
14. Collection is NULL, No-data-found, Subscript\_beyond\_count, value\_error
15. Test the use of following functions:

To\_Date(), To\_char(), TRIM, LPAD

1. Create following tables:

Emp(eno, dno, ename, salary) Dept(dno, dname, dmgrno)

Update the dmgrno of every dept as the max salary earner in that dept. Test use of Committ and Rollback with this update

Display the deptnames which spent more than 1 Cr in salary of employees