Lab Assignment 9

Program 1: Log in to MySQL and see all the privileges for the root.

Source Code:

SHOW GRANTS FOR 'root'@'localhost';

Output:

```
 Grants for root@localhost




 ----------------------------------------------------------------------------
 ----------------------------------------------------------------------------
 ----------------------------------------------------------------------------
 ----------------------------------------------------------------------------
 GRANT SELECT, INSERT, UPDATE, DELETE, CREATE, DROP, RELOAD, SHUTDOWN, PROCESS, FILE
 N CLIENT, CREATE VIEW, SHOW VIEW, CREATE ROUTINE, ALTER ROUTINE, CREATE USER, EVENT,
```

```
 REFERENCES, INDEX, ALTER, SHOW DATABASES, SUPER, CREATE TEMPORARY TABLES, LOCK TABLES, EXECUTE, REPLICATION SLAVE, REPLICATI
 TRIGGER, CREATE TABLESPACE, CREATE ROLE, DROP ROLE ON *.* TO `root`@`localhost` WITH GRANT OPTION
```

Program 2: a) Create a new user named Cust_Acct and perform the following queries:

● Show current user and the current databases which user can access.

● Login into the User Account (Cust_Acct) and check for the current user and the

databases accessible by the Cust_Acct.

● Switch back to the root account and Grant all privileges on BRANCH_MSTR and

EMP_MSTR of Bank Database to Cust_Acct.

Source Code:

CREATE USER 'Cust_acct'@'localhost' IDENTIFIED BY 'password';

Output:

```
mysql> CREATE USER 'Cust_acct'@'localhost' IDENTIFIED BY 'password';
Query OK, 0 rows affected (6.22 sec)
```

Source Code:

mysql -u Cust_Acct –p

password

select user();

show databases;

Output:

```
mysql> select user();
+---------------------+
| user()              |
+---------------------+
| Cust_Acc@localhost  |
+---------------------+
1 row in set (0.00 sec)
```

```
mysql> SHOW DATABASES;
+---------------------+
| Database            |
+---------------------+
| information_schema  |
| performance_schema  |
+---------------------+
2 rows in set (0.00 sec)
```

(b) Insert a new row into the table.

● Display all the data from the table.

● Delete the newly inserted rows from the table and show if they are removed or not.

● Show the results produced on those tables.

Source Code:

insert into book (ISBN,title,author,publisher) values(910,'coa','morris','aaa');

Output:

```
+------+-------+---------+-----------+
| ISBN | title | author  | publisher |
+------+-------+---------+-----------+
|  908 | dbms  | micheal | abc       |
|  907 | ML    | john    | jkl       |
|  906 | DAA   | robb    | pqr       |
|  905 | MPMC  | steve   | xyz       |
+------+-------+---------+-----------+
```

```
+------+-------+---------+-----------+
| ISBN | title | author  | publisher |
+------+-------+---------+-----------+
|  908 | dbms  | micheal | abc       |
|  907 | ML    | john    | jkl       |
|  906 | DAA   | robb    | pqr       |
|  905 | MPMC  | steve   | xyz       |
|  910 | coa   | morris  | aaa       |
+------+-------+---------+-----------+
```

Source Code:

Delete from book where ISBN= 910;

Output:

```
+------+-------+---------+-----------+
| ISBN | title | author  | publisher |
+------+-------+---------+-----------+
|  908 | dbms  | micheal | abc       |
|  907 | ML    | john    | jkl       |
|  906 | DAA   | robb    | pqr       |
|  905 | MPMC  | steve   | xyz       |
```

Program 3: ● Revoke the permissions/privileges of inserting and deleting data from the table

 Source Code:

REVOKE INSERT, UPDATE, DELETE ON library.* FROM 'root'@'localhost';

Output:

```
mysql> REVOKE INSERT, UPDATE, DELETE ON library.* FROM 'root'@'localhost';
ERROR 1141 (42000): There is no such grant defined for user 'root' on host 'localhost'
mysql>
```

Program 4: Create a role named 'Manager' on table EMP_MSTR which is capable of displaying ,inserting, and deleting the data from the table.

Source Code:

CREATE ROLE `group`;

GRANT SELECT, INSERT, DELETE ON library.book TO `group`;

SHOW GRANTS FOR `group`;

Output:

```
mysql> CREATE ROLE `group`;
Query OK, 0 rows affected (0.45 sec)

mysql> GRANT SELECT, INSERT, DELETE ON library.book TO `group`;
Query OK, 0 rows affected (0.23 sec)

mysql> SHOW GRANTS FOR `group`;
+----------------------------------------------------------------------+
| Grants for group@%                                                   |
+----------------------------------------------------------------------+
| GRANT USAGE ON *.* TO `group`@`%`                                    |
| GRANT SELECT, INSERT, DELETE ON `library`.`book` TO `group`@`%`      |
+----------------------------------------------------------------------+
```