

Lab 3

1) Create roles student.

Query:

```
CREATE ROLES student;
```

Output:

```
Role STUDENT created.
```

2) Grant select, insert, update privileges on customers table to role student.

Query:

```
GRANT SELECT, INSERT, UPDATE ON customers TO student;
```

Output:

```
Grant succeeded.
```

3) Grant student role to user.

Query:

```
GRANT student TO ramesh;
```

Output:

```
Grant succeeded.
```

4) Set role.

Query:

```
SET ROLE student;
```

Output:

```
Role STUDENT succeeded.
```

5) View role.

Query:

```
SELECT * FROM session_roles;
```

```
SELECT role, owner, table_name from role_tab_privs WHERE role='STUDENT';
```

Output:

	ROLE	OWNER	TABLE_NAME
1	STUDENT	SYSTEM	CUSTOMERS
2	STUDENT	SYSTEM	CUSTOMERS
3	STUDENT	SYSTEM	CUSTOMERS

Output:

	ROLE
1	STUDENT

6) Revoke student role from user.

Query:

```
REVOKE student FROM ramesh;
```

Output:

```
Revoke succeeded.
```

7) Drop role.

Query:

```
DROP ROLE student;
```

Output:

```
Role STUDENT dropped.
```

Conclusion and Discussion:

Hence, we are able to create roles, grant SELECT, INSERT, UPDATE privileges to that create role in various tables, grant role to user, set role, view role, revoke role from user and even drop role in this lab session.