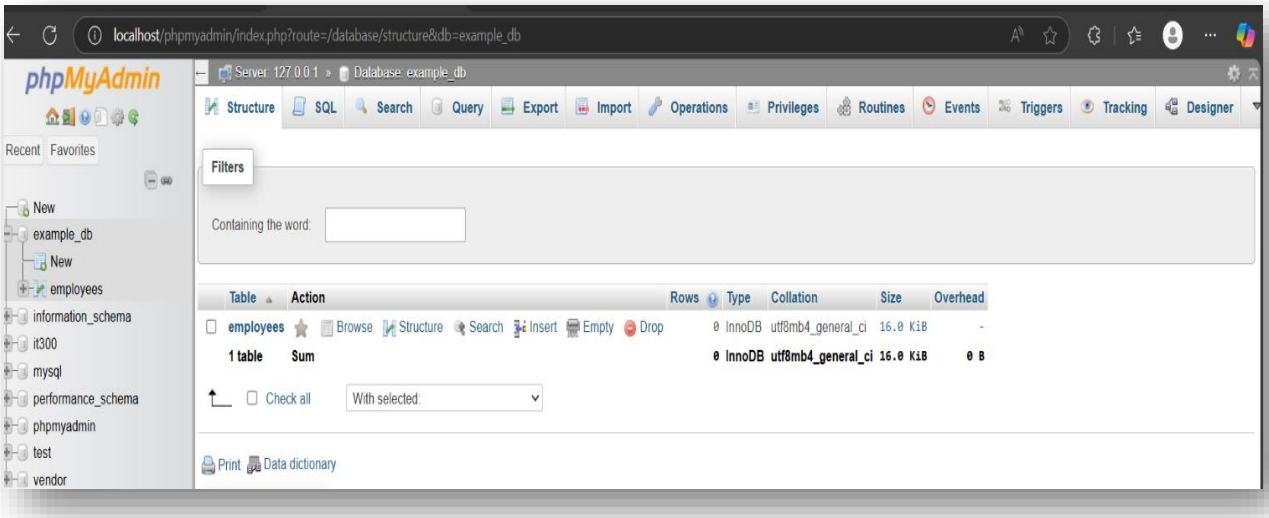
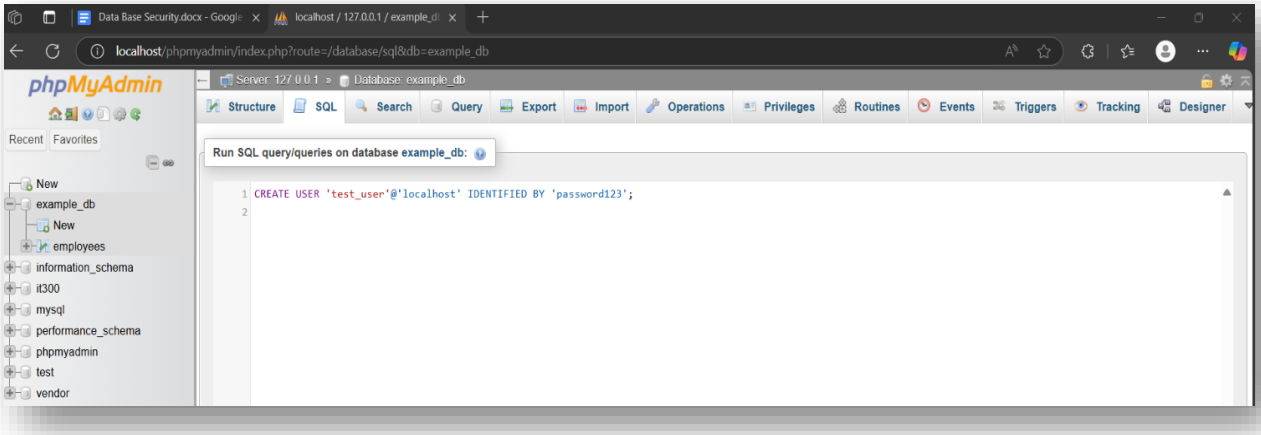
Database Security practical

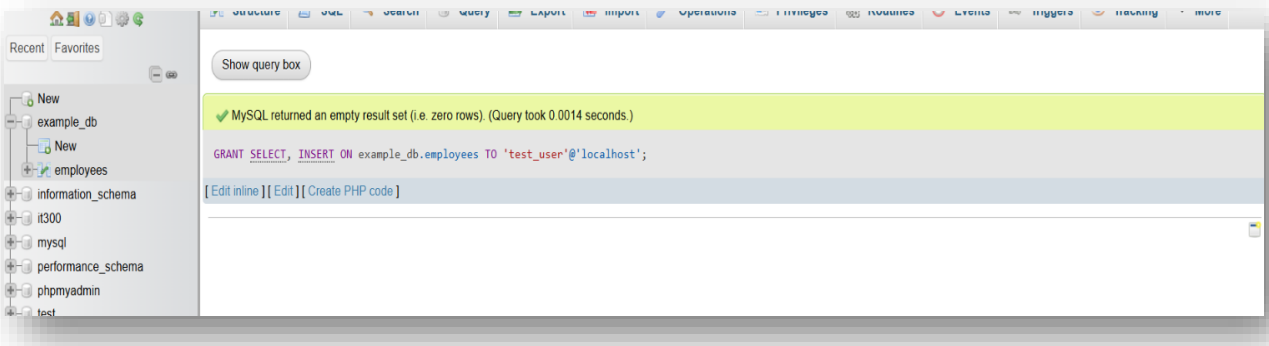
(IT 252)

Btech/22/10/14

```
XAMPP for Windows - mysql  -h localhost -u root -p

Setting environment for using XAMPP for Windows.
user@DESKTOP-LBIGAU9 c:\xampp
# mysql -h localhost -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 8
Server version: 10.4.32-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> CREATE DATABASE example_db;
Query OK, 1 row affected (0.001 sec)

MariaDB [(none)]> USE example_db;
Database changed
MariaDB [example_db]> CREATE TABLE employees (
    ->     employee_id INT AUTO_INCREMENT PRIMARY KEY,
    ->     first_name VARCHAR(50),
    ->     last_name VARCHAR(50),
    ->     email VARCHAR(100),
    ->     hire_date DATE
    -> );
Query OK, 0 rows affected (0.015 sec)

MariaDB [example_db]>
```








```
Setting environment for using XAMPP for Windows.
user@DESKTOP-LBIGAU9 c:\xampp
# mysql -u test_user -p
Enter password: ***********
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 425
Server version: 10.4.32-MariaDB mariadb.org binary distribution

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> use example_db;
Database changed
MariaDB [example_db]> INSERT INTO employees (first_name, last_name, email, hire_date)
    -> VALUES ('Malintha', 'Rukshan', 'ruki.d2@yahoo.com', '2025-02-21');
Query OK, 1 row affected (0.010 sec)

MariaDB [example_db]>
```
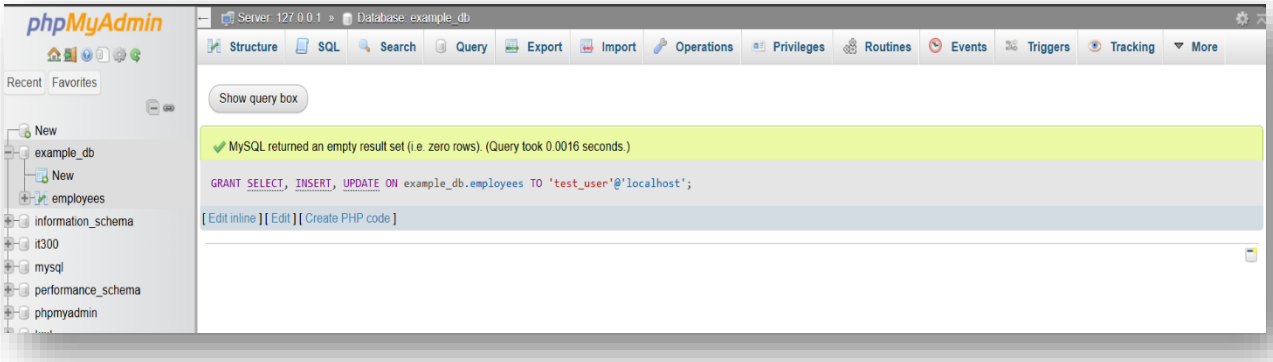
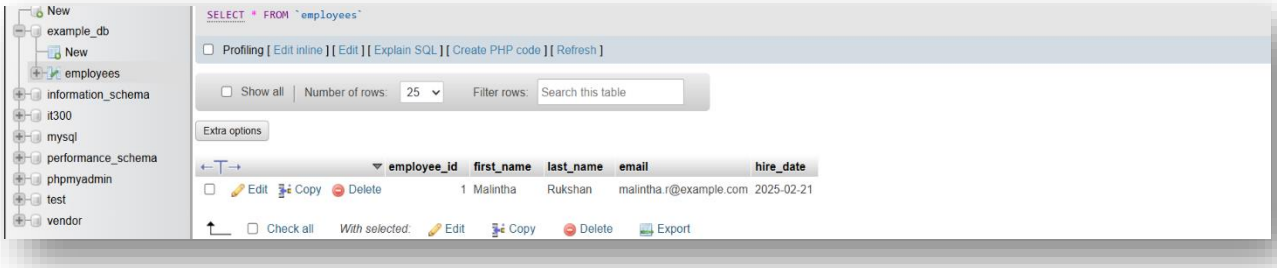
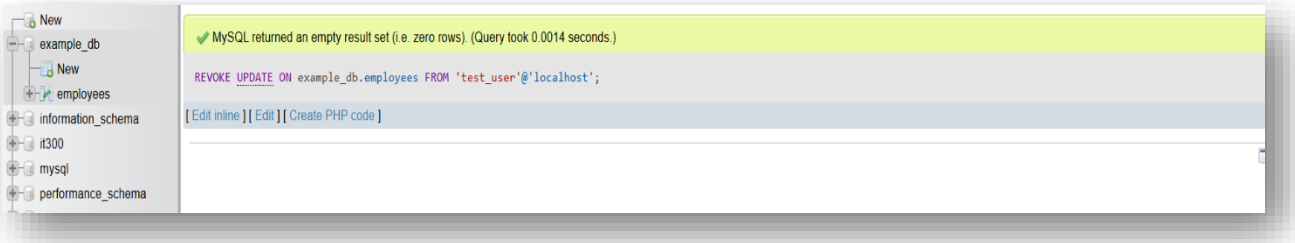
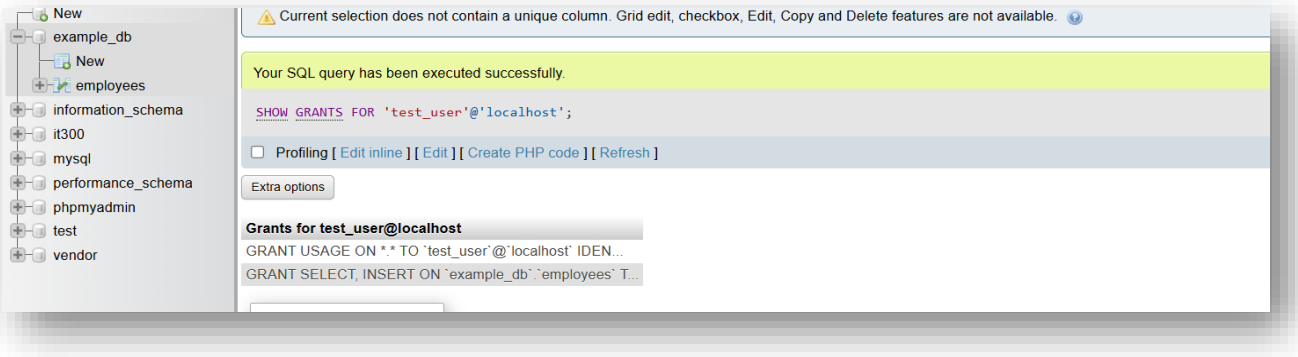




```
Setting environment for using XAMPP for Windows.
user@DESKTOP-LBIGAU9 c:\xampp
# mysql -u test_user -p
Enter password: **********
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 425
Server version: 10.4.32-MariaDB mariadb.org binary distribution

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> use example_db;
Database changed
MariaDB [example_db]> INSERT INTO employees (first_name, last_name, email, hire_date)
    -> VALUES ('Malintha', 'Rukshan', 'ruki.d2@yahoo.com', '2025-02-21');
Query OK, 1 row affected (0.010 sec)

MariaDB [example_db]> UPDATE employees
    -> SET email = 'malintha.r@example.com'
    -> WHERE first_name = 'Malintha' AND last_name = 'Rukshan';
Query OK, 1 row affected (0.011 sec)
Rows matched: 1  Changed: 1  Warnings: 0

MariaDB [example_db]>
```




New
example_db
New
employees
information_schema
it300
mysql
performance_schema
MySQL returned an empty result set (i.e. zero rows). (Query took 0.0014 seconds.)
REVOKE UPDATE ON example_db.employees FROM 'test_user'@'localhost';
[Edit inline] [Edit] [Create PHP code]


New
example_db
New
employees
information_schema
it300
mysql
performance_schema
phpmyadmin
test
vendor
Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete features are not available.
Your SQL query has been executed successfully.
SHOW GRANTS FOR 'test_user'@'localhost';
Profiling [Edit inline] [Edit] [Create PHP code] [Refresh]
Extra options
Grants for test_user@localhost
GRANT USAGE ON *.* TO `test_user`@`localhost` IDEN...
GRANT SELECT, INSERT ON `example_db`.`employees` T...