

University of Colombo School of Computing

Database II Lab sheet- 3

1)

Run SQL query/queries on database **salescompany**:

```
1 CREATE TRIGGER orderItem_detans
2   AFTER INSERT ON purchase_order
3   FOR EACH ROW
4   INSERT INTO orderitem (orderId, ProductId, UnitPrice, Quantity)
5   VALUES
6     (new.OrderNumber, 14, 23.25, 6),
7     (new.OrderNumber, 3, 10, 12),
8     (new.OrderNumber, 13, 6, 6);
```

Show query box

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0070 seconds.)

`CREATE TRIGGER orderItem_detans AFTER INSERT ON purchase_order FOR EACH ROW INSERT INTO orderitem (orderId, ProductId, UnitPrice, Quantity) VALUES (new.OrderNumber, 14, 23.25, 6), (new.OrderNumber, 3, 10, 12), (new.OrderNumber, 13, 6, 6);`

[Edit inline] [Edit] [Create PHP code]

2)

Run SQL query/queries on database **salescompany**:

```
1 CREATE TRIGGER validate_customer
2   BEFORE INSERT ON customer
3   FOR EACH ROW
4   SET new.FirstName = TRIM(new.FirstName),
5     new.LastName = TRIM(new.LastName),
6     new.Country = UPPER(new.FirstName);
7
```

Show query box

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0070 seconds.)

`CREATE TRIGGER validate_customer BEFORE INSERT ON customer FOR EACH ROW SET new.FirstName = TRIM(new.FirstName), new.LastName = TRIM(new.LastName), new.Country = UPPER(new.FirstName);`

[Edit inline] [Edit] [Create PHP code]

3)

Run SQL query/queries on database salescompany: ?

```
1 CREATE TABLE AuditLog(  
2     audit_id INT PRIMARY KEY,  
3     customer_id INT,  
4     audit_action VARCHAR(255),  
5     audit_date TIMESTAMP  
6 );
```

Show query box

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0303 seconds.)

```
CREATE TABLE AuditLog( audit_id INT PRIMARY KEY, customer_id INT, audit_action VARCHAR(255), audit_date TIMESTAMP );
```

[Edit inline] [Edit] [Create PHP code]

Run SQL query/queries on database salescompany: ?

```
1 CREATE TRIGGER auditlog_customer  
2     AFTER UPDATE ON customer  
3     FOR EACH ROW  
4     INSERT INTO auditlog(customer_id, audit_action) VALUES(new.Id, "UPDATE");
```

Show query box

✓ MySQL returned an empty result set (i.e. zero rows). (Query took 0.0058 seconds.)

```
CREATE TRIGGER auditlog_customer AFTER UPDATE ON customer FOR EACH ROW INSERT INTO auditlog(customer_id, audit_action) VALUES(new.Id, "UPDATE");
```

[Edit inline] [Edit] [Create PHP code]