

For **insert**, **update** and **delete** queries:

```
DROP PROCEDURE IF EXISTS user_register;  
DELIMITER $$
```

```
CREATE PROCEDURE `user_register`(IN i_username VARCHAR(50), IN i_password VARCHAR(50), IN i_firstname  
VARCHAR(50), IN i_lastname VARCHAR(50))
```

```
BEGIN
```

```
    INSERT INTO user (username, password, firstname, lastname) VALUES (i_username, MD5(i_password),  
i_firstname, i_lastname);
```

```
END$$
```

```
DELIMITER ;
```

the **stored procedure name and parameter names and datatypes** go here: based on the project requirements/specifications – don't change them!! (external schema)

**your query solution** goes here: based on the design of your underlying database (conceptual schema)

For **select** queries with and without search/filter parameters:

```
DROP PROCEDURE IF EXISTS user_filter_th;  
DELIMITER $$
```

```
CREATE PROCEDURE `user_filter_th`(IN i_thName VARCHAR(50), IN i_comName VARCHAR(50), IN i_city VARCHAR(50),  
IN i_state VARCHAR(3))
```

```
BEGIN
```

```
    DROP TABLE IF EXISTS UserFilterTh;
```

```
    CREATE TABLE UserFilterTh
```

```
        SELECT thName, thStreet, thCity, thState, thZipcode, comName
```

```
        FROM Theater
```

```
        WHERE (thName = i_thName OR i_thName = "ALL") AND
```

```
        (comName = i_comName OR i_comName = "ALL") AND
```

```
        (thCity = i_city OR i_city = "") AND
```

```
        (thState = i_state OR i_state = "ALL");
```

```
END$$
```

```
DELIMITER ;
```

the **stored procedure name and parameter names and datatypes** go here: based on the project requirements/specifications – don't change them!! (external schema)

**your query solution** goes here: based on the design of your underlying database (conceptual schema)