**wjISQL SQL Menu Item Test Plan**

**Change History**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| SNO | Version | Date | By | Description |
| 1 | 1 | 2016-12-25 | Mvsagar | Created. |

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# Introduction

This test plan has test cases for testing SQL statement execution functionality of wjISQL. The **goal is to test working of features in various browsers** than to test with various RDBMSs.

## Prerequisites for all Tests

|  |  |
| --- | --- |
| 1 | Installation test is successful. |
| 2 | Main screen is of wjISQL is currently shown in the browser. Otherwise, enter "<http://localhost:8080/wjisql>" in the browser address field. |

# 

# MySQL SQL Statement Execution using FireFox Test Cases

## Prerequisites

|  |  |
| --- | --- |
| 1 | MySQL database **mysqldb** is readily available for user **mysqlusr** and password **mysql123**. The user has DBA privileges. |
| 2 | You have already logged into the database. |
| 3 | Database setup was done as mentioned in wpl.tpl.05.browse.docx |

## SQL Menu Item Test Cases

### Successful Test Cases

Test Case 1/1: Test that SQL menu item displays current tables, a window "SQL Statement(s)" to execute statements and an empty window.

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | None. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click button **SQL**. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A screen as shown below: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  **FireFox** | 1.13.11(332) | 2016-12-25 | Success |  |
| Windows 7 |  |  |  |  |

### Unsuccessful Test Cases

None.

## SQL Statement(s) Window: SQL statement Execution Test Cases

### Successful Test Cases

Test Case 1/2: Test execution of simple SELECT statment as following:

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | None |

Test Procedure

|  |  |
| --- | --- |
| 1 | Enter statement "SELECT \* FROM t1\_1\_std\_data\_types\_basic;" in window SQLStatement(s) |
| 2 | Click button Execute. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Screen with results as shown below: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  **FireFox** | 1.13.11(332) | 2016-12-25 | Success |  |
| Windows 7 |  |  |  |  |

Test Case 2/3: Test Execution of Stored Procedure

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | Test Case 1 |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click button Clear. |
| 2 | Write the following statement in window SQL Statement(s):  CALL proc\_4\_1\_in\_out\_args(1, ?); |
| 3 | Click button Execute |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | The table columns as shown below: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  **FireFox** | 1.13.11(332) | 2016-12-25 | Success |  |
| Windows 7 |  |  |  |  |

Test Case 3/4: Test Execution of Stored Function

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | Test Case 1 |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click button Clear. |
| 2 | Write the following statement in window SQL Statement(s):  SELECT func\_1\_1\_compute\_tax(1); |
| 3 | Click button Execute |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | The table columns as shown below: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  **FireFox** | 1.13.11(332) | 2016-12-25 | Success |  |
| Windows 7 |  |  |  |  |

Test Case 4/5: Test Execution of multiple statements at one time

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | Test Case 1 |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click button Clear. |
| 2 | Write the following statements in the window SQL Statement(s) (or copy and paste from scripts source directory):  DROP TABLE emp;  DROP TABLE dept;  CREATE TABLE dept (dno INT NOT NULL PRIMARY KEY  , dname VARCHAR(20));  CREATE TABLE emp(eno INT NOT NULL PRIMARY KEY  , ename VARCHAR(20), dno INT REFERENCES dept(dno));  INSERT INTO dept(dno, dname) VALUES(1, 'Research');  INSERT INTO dept(dno, dname) VALUES(2, 'Development');  INSERT INTO dept(dno, dname) VALUES(3, 'Marketing');  INSERT INTO emp VALUES(1001, 'Brahma', 1);  INSERT INTO emp VALUES(1002, 'Vishnu', 1);  INSERT INTO emp VALUES(1003, 'Narayana', 2);  INSERT INTO emp VALUES(1004, 'Krishna', 2);  INSERT INTO emp VALUES(1005, 'Narada', 3);  INSERT INTO emp VALUES(1006, 'Hanuman', 3);  SELECT \* FROM dept;  SELECT \* from emp; |
| 3 | Click button Execute. |
| 4 | Click OK on alert message box for an error messages by DROP statements due to non-existent of tables for the first time. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | The table columns as shown below: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  **FireFox** | 1.13.11(332) | 2016-12-25 | Success |  |
| Windows 7 |  |  |  |  |

### Unsuccessful Test Cases

None.

## SQL Statement(s) Window: SQL Script Execution Test Cases

### Successful Test Cases

Test Case 1/6: Test execution of a script

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | None. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click navigation link SQL. |
| 2 | Click button Browse below the SQL Statement(s) window and choose the following file:  wjisql/wji\_tsrc/wji\_scripts/wji\_16\_sql\_scripts/tst\_16\_001\_sql\_script.sql |
| 3 | Click button Execute. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Loading of SQL statements from the file into SQL Statement(s) window and execution of all statements with results as shown below: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  **FireFox** | 1.13.11(332) | 2016-12-25 | Success |  |
| Windows 7 |  |  |  |  |

## SQL Statement(s) Window: Selected Statements Execution Test Cases

### Successful Test Cases

Test Case 1/7: Test execution of an SQL statement selected in SQLStatement(s) window.

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | None |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click navigation link SQL. |
| 2 | Click button Browse below the SQL Statement(s) window and choose the following file:  wjisql/wji\_tsrc/wji\_scripts/wji\_16\_sql\_scripts/tst\_16\_001\_sql\_script.sql |
| 3 | Select the first SQL statement: as shown below: |
| 4 | Click button Execute. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Loading of SQL statements from the file into SQL Statement(s) window and execution of all statements with results as shown below: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  **FireFox** | 1.13.11(332) | 2016-12-25 | Success |  |
| Windows 7 |  |  |  |  |

Test Case 2/8: Test execution of consecutive multiple SQL statements selected in SQLStatement(s) window.

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | Test Case 1 |

Test Procedure

|  |  |
| --- | --- |
| 1 | Add new SQL statement above first SELECT statement as following:  INSERT INTO ts1 VALUES(4, 'four'); |
| 2 | Select the last 3 SQL statements including the new one: as shown below: |
| 3 | Click button Execute. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Result window that shows exwecution of the three select statements: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  **FireFox** | 1.13.11(332) | 2016-12-25 | Success |  |
| Windows 7 |  |  |  |  |

# PostgreSQL SQL Statement Execution using Chrome Test Cases

## Prerequisites

|  |  |
| --- | --- |
| 1 | PostgreSQL database **pgsqldb** is readily available for user **pgsqlusr** and password **pgsql123**. The user has DBA privileges. |
| 2 | You have already logged into the database. |
| 3 | Setup database as mentioned in wpl.tpl.05.browse.docx |

## SQL Menu Item Test Cases

### Successful Test Cases

Test Case 1/9: Test that SQL menu item displays current tables, a window "SQL Statement(s)" to execute statements and an empty window.

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | None. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click button **SQL**. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A screen as shown below: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  **FireFox** | 1.13.14(358) | 2016-12-29 | Success |  |
| Windows 7 |  |  |  |  |

### Unsuccessful Test Cases

None.

## SQL Statement(s) Window: SQL statement Execution Test Cases

### Successful Test Cases

Test Case 1/10: Test execution of simple SELECT statment as following:

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | None |

Test Procedure

|  |  |
| --- | --- |
| 1 | Enter statement "SELECT \* FROM t1\_1\_std\_data\_types\_basic;" in window SQLStatement(s) |
| 2 | Click button Execute. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Screen with results as shown below: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  **Chrome** | 1.13.14(358) | 2016-12-29 | Success |  |
| Windows 7 |  |  |  |  |

Test Case 2/11: Test Execution of Stored Procedure

Not applicable to PosqtgreSQL.

Test Case 3/12: Test Execution of Stored Function

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | Test Case 1 |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click button Clear. |
| 2 | Write the following statement in window SQL Statement(s):  SELECT \* FROM func\_4\_2\_in\_out\_inout\_args(1,5); |
| 3 | Click button Execute |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Result from the function execution as shown below: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  **Chorme** | 1.13.14(358) | 2016-12-29 | Success |  |
| Windows 7 |  |  |  |  |

Test Case 4/13: Test Execution of multiple statements at one time

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | Test Case 1 |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click button Clear. |
| 2 | Write the following statements in the window SQL Statement(s) (or copy and paste from scripts source directory):  DROP TABLE emp;  DROP TABLE dept;  CREATE TABLE dept (dno INT NOT NULL PRIMARY KEY  , dname VARCHAR(20));  CREATE TABLE emp(eno INT NOT NULL PRIMARY KEY  , ename VARCHAR(20), dno INT REFERENCES dept(dno));  INSERT INTO dept(dno, dname) VALUES(1, 'Research');  INSERT INTO dept(dno, dname) VALUES(2, 'Development');  INSERT INTO dept(dno, dname) VALUES(3, 'Marketing');  INSERT INTO emp VALUES(1001, 'Brahma', 1);  INSERT INTO emp VALUES(1002, 'Vishnu', 1);  INSERT INTO emp VALUES(1003, 'Narayana', 2);  INSERT INTO emp VALUES(1004, 'Krishna', 2);  INSERT INTO emp VALUES(1005, 'Narada', 3);  INSERT INTO emp VALUES(1006, 'Hanuman', 3);  SELECT \* FROM dept;  SELECT \* from emp; |
| 3 | Click button Execute. |
| 4 | Click OK on alert message box for an error messages by DROP statements due to non-existent of tables for the first time. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Created new tables in the table list and the Result window as shown below: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  **Chrome** | 1.13.14(358) | 2016-12-29 | Success |  |
| Windows 7 |  |  |  |  |

### Unsuccessful Test Cases

None.

## SQL Statement(s) Window: SQL Script Execution Test Cases

### Successful Test Cases

Test Case 1/14: Test execution of a script

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | None. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click navigation link SQL. |
| 2 | Click button Browse below the SQL Statement(s) window and choose the following file:  wjisql/wji\_tsrc/wji\_scripts/wji\_16\_sql\_scripts/tst\_16\_001\_sql\_script.sql |
| 3 | Click button Execute. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Loading of SQL statements from the file into SQL Statement(s) window and execution of all statements with results as shown below: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  **Chrome** | 1.13.14(358) | 2016-12-29 | Success |  |
| Windows 7 |  |  |  |  |

## SQL Statement(s) Window: Selected Statements Execution Test Cases

### Successful Test Cases

Test Case 1/15: Test execution of an SQL statement selected in SQLStatement(s) window.

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | None |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click navigation link SQL. |
| 2 | Click button Browse below the SQL Statement(s) window and choose the following file:  wjisql/wji\_tsrc/wji\_scripts/wji\_16\_sql\_scripts/tst\_16\_001\_sql\_script.sql |
| 3 | Select the first SQL statement: as shown below: |
| 4 | Click button Execute. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Loading of SQL statements from the file into SQL Statement(s) window and execution of all statements with results as shown below: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  **Chrome** | 1.13.14(358) | 2016-12-29 | Success |  |
| Windows 7 |  |  |  |  |

Test Case 2/16: Test execution of consecutive multiple SQL statements selected in SQLStatement(s) window.

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | Test Case 1 |

Test Procedure

|  |  |
| --- | --- |
| 1 | Add new SQL statement above first SELECT statement as following:  INSERT INTO ts1 VALUES(4, 'four'); |
| 2 | Select the last 3 SQL statements including the new one: as shown below: |
| 3 | Click button Execute. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Result window that shows exwecution of the three select statements: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS  **Chrome** | 1.13.14(358) | 2016-12-29 | Success |  |
| Windows 7 |  |  |  |  |

# Oracle SQL Statement Execution using FireFox Test Cases

## Prerequisites

|  |  |
| --- | --- |
| 1 | Oracle database **oradb** is readily available for user **orausr** and password **ora123**. The user has DBA privileges. |
| 2 | You have already logged into the database. |
| 3 | Database setup was done as mentioned in wpl.tpl.05.browse.docx |

## SQL Menu Item Test Cases

### Successful Test Cases

Test Case 1/17: Test that SQL menu item displays current tables, a window "SQL Statement(s)" to execute statements and an empty window.

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | None. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click button **SQL**. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A screen as shown below: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS |  |  |  |  |
| Windows 7, FireFox | 1.13.11(332) | 2016-12-29 | Success |  |

### Unsuccessful Test Cases

None.

## SQL Statement(s) Window: SQL statement Execution Test Cases

### Successful Test Cases

Test Case 1/18: Test execution of simple SELECT statment as following:

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | None |

Test Procedure

|  |  |
| --- | --- |
| 1 | Enter statement "SELECT \* FROM t1\_1\_std\_data\_types\_basic;" in window SQLStatement(s) |
| 2 | Click button Execute. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Screen with results as shown below: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS |  |  |  |  |
| Windows 7, FireFox | 1.13.14(359) | 2016-12-29 | Success |  |

Test Case 2/19: Test Execution of Stored Procedure

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | Test Case 1 |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click button Clear. |
| 2 | Write the following statement in window SQL Statement(s):  CALL proc\_4\_1\_in\_out\_args(1, ?); |
| 3 | Click button Execute |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Procedure execution results as shown below: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS |  |  |  |  |
| Windows 7, Firefox | 1.13.14(359) | 2016-12-29 | Success |  |

Test Case 3/20: Test Execution of Stored Function

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | Test Case 1 |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click button Clear. |
| 2 | Write the following statement in window SQL Statement(s):  SELECT func\_1\_1\_compute\_tax(1) FROM DUAL; |
| 3 | Click button Execute |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Function results as shown below: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS |  |  |  |  |
| Windows 7, FireFox | 1.13.14(359) | 2016-12-29 | Success |  |

Test Case 4/21: Test Execution of multiple statements at one time

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | Test Case 1 |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click button Clear. |
| 2 | Write the following statements in the window SQL Statement(s) (or copy and paste from scripts source directory):  DROP TABLE emp;  DROP TABLE dept;  CREATE TABLE dept (dno INT NOT NULL PRIMARY KEY  , dname VARCHAR(20));  CREATE TABLE emp(eno INT NOT NULL PRIMARY KEY  , ename VARCHAR(20), dno INT REFERENCES dept(dno));  INSERT INTO dept(dno, dname) VALUES(1, 'Research');  INSERT INTO dept(dno, dname) VALUES(2, 'Development');  INSERT INTO dept(dno, dname) VALUES(3, 'Marketing');  INSERT INTO emp VALUES(1001, 'Brahma', 1);  INSERT INTO emp VALUES(1002, 'Vishnu', 1);  INSERT INTO emp VALUES(1003, 'Narayana', 2);  INSERT INTO emp VALUES(1004, 'Krishna', 2);  INSERT INTO emp VALUES(1005, 'Narada', 3);  INSERT INTO emp VALUES(1006, 'Hanuman', 3);  SELECT \* FROM dept;  SELECT \* from emp; |
| 3 | Click button Execute. |
| 4 | Click OK on alert message box for an error messages by DROP statements due to non-existent of tables for the first time. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Execution results, after scrolling down Result window, are as shown below: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS |  |  |  |  |
| Windows 7  **FireFox** | 1.13.14(359) | 2016-12-29 | Success |  |

### Unsuccessful Test Cases

None.

## SQL Statement(s) Window: SQL Script Execution Test Cases

### Successful Test Cases

Test Case 1/22: Test execution of a script

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | None. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click navigation link SQL. |
| 2 | Click button Browse below the SQL Statement(s) window and choose the following file:  wjisql/wji\_tsrc/wji\_scripts/wji\_16\_sql\_scripts/tst\_16\_001\_sql\_script.sql |
| 3 | Click button Execute. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Loading of SQL statements from the file into SQL Statement(s) window and execution of all statements with results, after scrolling down Result window, are as shown below: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS |  |  |  |  |
| Windows 7  **FireFox** | 1.13.14(359) | 2016-12-29 | Success |  |

## SQL Statement(s) Window: Selected Statements Execution Test Cases

### Successful Test Cases

Test Case 1/23: Test execution of an SQL statement selected in SQLStatement(s) window.

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | None |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click navigation link SQL. |
| 2 | Click button Browse below the SQL Statement(s) window and choose the following file:  wjisql/wji\_tsrc/wji\_scripts/wji\_16\_sql\_scripts/tst\_16\_001\_sql\_script.sql |
| 3 | Select the first SQL statement: as shown below: |
| 4 | Click button Execute. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Loading of SQL statements from the file into SQL Statement(s) window and execution of all statements with results as shown below: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS |  |  |  |  |
| Windows 7  **FireFox** | 1.13.14(359) | 2016-12-259 | Success |  |

Test Case 2/24: Test execution of consecutive multiple SQL statements selected in SQLStatement(s) window.

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | Test Case 1 |

Test Procedure

|  |  |
| --- | --- |
| 1 | Add new SQL statement above first SELECT statement as following:  INSERT INTO ts1 VALUES(4, 'four'); |
| 2 | Select the last 3 SQL statements including the new one: as shown below: |
| 3 | Click button Execute. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Result window that shows exwecution of the three select statements: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS |  |  |  |  |
| Windows 7  **FireFox** | 1.13.14(359) | 2016-12-29 | Success |  |

# MS SQL SQL Statement Execution using IE Test Cases

## Prerequisites

|  |  |
| --- | --- |
| 1 | MS SQL database **msqldb** is readily available for user **mssqlusr** and password **mssql123**. The user has DBA privileges. |
| 2 | You have already logged into the database. |
| 3 | Database setup was done as mentioned in wpl.tpl.05.browse.docx |

## SQL Menu Item Test Cases

### Successful Test Cases

Test Case 1/25: Test that SQL menu item displays current tables, a window "SQL Statement(s)" to execute statements and an empty window.

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | None. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click button **SQL**. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A screen as shown below: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS |  |  |  |  |
| Windows 7, FireFox | 1.13.11(359) | 2016-12-29 | Success |  |

### Unsuccessful Test Cases

None.

## SQL Statement(s) Window: SQL statement Execution Test Cases

### Successful Test Cases

Test Case 1/26: Test execution of simple SELECT statment as following:

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | None |

Test Procedure

|  |  |
| --- | --- |
| 1 | Enter statement "SELECT \* FROM t1\_1\_std\_data\_types\_basic;" in window SQLStatement(s) |
| 2 | Click button Execute. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Screen with results as shown below: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS |  |  |  |  |
| Windows 7, FireFox | 1.13.14(359) | 2016-12-29 | Success |  |

Test Case 2/27: Test Execution of Stored Procedure

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | Test Case 1 |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click button Clear. |
| 2 | Write the following statement in window SQL Statement(s):  CALL proc\_4\_1\_in\_out\_args(1, ?); |
| 3 | Click button Execute |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Procedure execution results as shown below: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS |  |  |  |  |
| Windows 7, Firefox | 1.13.14(359) | 2016-12-29 | Success |  |

Test Case 3/28: Test Execution of Stored Function

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | Test Case 1 |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click button Clear. |
| 2 | Write the following statement in window SQL Statement(s):  SELECT **dbo.**func\_1\_1\_compute\_tax(1); |
| 3 | Click button Execute |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Function results as shown below: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS |  |  |  |  |
| Windows 7, FireFox | 1.13.14(359) | 2016-12-29 | Success |  |

Test Case 4/29: Test Execution of multiple statements at one time

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | Test Case 1 |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click button Clear. |
| 2 | Write the following statements in the window SQL Statement(s) (or copy and paste from scripts source directory):  DROP TABLE emp;  DROP TABLE dept;  CREATE TABLE dept (dno INT NOT NULL PRIMARY KEY  , dname VARCHAR(20));  CREATE TABLE emp(eno INT NOT NULL PRIMARY KEY  , ename VARCHAR(20), dno INT REFERENCES dept(dno));  INSERT INTO dept(dno, dname) VALUES(1, 'Research');  INSERT INTO dept(dno, dname) VALUES(2, 'Development');  INSERT INTO dept(dno, dname) VALUES(3, 'Marketing');  INSERT INTO emp VALUES(1001, 'Brahma', 1);  INSERT INTO emp VALUES(1002, 'Vishnu', 1);  INSERT INTO emp VALUES(1003, 'Narayana', 2);  INSERT INTO emp VALUES(1004, 'Krishna', 2);  INSERT INTO emp VALUES(1005, 'Narada', 3);  INSERT INTO emp VALUES(1006, 'Hanuman', 3);  SELECT \* FROM dept;  SELECT \* from emp; |
| 3 | Click button Execute. |
| 4 | Click OK on alert message box for an error messages by DROP statements due to non-existent of tables for the first time. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Execution results, after scrolling down Result window, are as shown below: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS |  |  |  |  |
| Windows 7  **FireFox** | 1.13.14(359) | 2016-12-29 | Success |  |

### Unsuccessful Test Cases

None.

## SQL Statement(s) Window: SQL Script Execution Test Cases

### Successful Test Cases

Test Case 1/30: Test execution of a script

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | None. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click navigation link SQL. |
| 2 | Click button Browse below the SQL Statement(s) window and choose the following file:  wjisql/wji\_tsrc/wji\_scripts/wji\_16\_sql\_scripts/tst\_16\_001\_sql\_script.sql |
| 3 | Click button Execute. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Loading of SQL statements from the file into SQL Statement(s) window and execution of all statements with results, after scrolling down Result window, are as shown below: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS |  |  |  |  |
| Windows 7  **FireFox** | 1.13.14(359) | 2016-12-29 | Success |  |

## SQL Statement(s) Window: Selected Statements Execution Test Cases

### Successful Test Cases

Test Case 1/31: Test execution of an SQL statement selected in SQLStatement(s) window.

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | None |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click navigation link SQL. |
| 2 | Click button Browse below the SQL Statement(s) window and choose the following file:  wjisql/wji\_tsrc/wji\_scripts/wji\_16\_sql\_scripts/tst\_16\_001\_sql\_script.sql |
| 3 | Select the first SQL statement: as shown below:    *The file path may vary; ignore it.* |
| 4 | Click button Execute. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Loading of SQL statements from the file into SQL Statement(s) window and execution of all statements with results as shown below: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS |  |  |  |  |
| Windows 7  **FireFox** | 1.13.14(359) | 2016-12-259 | Success |  |

Test Case 2/32: Test execution of consecutive multiple SQL statements selected in SQLStatement(s) window.

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | Test Case 1 |

Test Procedure

|  |  |
| --- | --- |
| 1 | Add new SQL statement above first SELECT statement as following:  INSERT INTO ts1 VALUES(4, 'four'); |
| 2 | Select the last 3 SQL statements including the new one: as shown below:    *The file path may vary; ignore it.* |
| 3 | Click button Execute. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Result window that shows exwecution of the three select statements: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS |  |  |  |  |
| Windows 7  **FireFox** | 1.13.14(359) | 2016-12-29 | Success |  |

# SQLite SQL Statement Execution Chrome Test Cases

## Prerequisites

|  |  |
| --- | --- |
| 1 | SQLite database **C:/TEMP/sqlitedb** is readily available for use. |
| 2 | You have already logged into the database. |
| 3 | Database setup was done as mentioned in wpl.tpl.05.browse.docx |

## SQL Menu Item Test Cases

### Successful Test Cases

Test Case 1/33: Test that SQL menu item displays current tables, a window "SQL Statement(s)" to execute statements and an empty window.

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | None. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click button **SQL**. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | A screen as shown below: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS |  |  |  |  |
| Windows 7, Chrome | 1.13.11(359) | 2016-12-29 | Success |  |

### Unsuccessful Test Cases

None.

## SQL Statement(s) Window: SQL statement Execution Test Cases

### Successful Test Cases

Test Case 1/34: Test execution of simple SELECT statment as following:

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | None |

Test Procedure

|  |  |
| --- | --- |
| 1 | Enter statement "SELECT \* FROM t1\_1\_std\_data\_types\_basic;" in window SQLStatement(s) |
| 2 | Click button Execute. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Screen with results as shown below: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS |  |  |  |  |
| Windows 7, FireFox | 1.13.14(359) | 2016-12-29 | Success |  |

Test Case 2/35: Test Execution of Stored Procedure

SQLite does not support stored procedures.

Test Case 3/36: Test Execution of Stored Function

SQLite does not support stored functions.

Test Case 4/37: Test Execution of multiple statements at one time

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | Test Case 1 |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click button Clear. |
| 2 | Write the following statements in the window SQL Statement(s) (or copy and paste from scripts source directory):  DROP TABLE emp;  DROP TABLE dept;  CREATE TABLE dept (dno INT NOT NULL PRIMARY KEY  , dname VARCHAR(20));  CREATE TABLE emp(eno INT NOT NULL PRIMARY KEY  , ename VARCHAR(20), dno INT REFERENCES dept(dno));  INSERT INTO dept(dno, dname) VALUES(1, 'Research');  INSERT INTO dept(dno, dname) VALUES(2, 'Development');  INSERT INTO dept(dno, dname) VALUES(3, 'Marketing');  INSERT INTO emp VALUES(1001, 'Brahma', 1);  INSERT INTO emp VALUES(1002, 'Vishnu', 1);  INSERT INTO emp VALUES(1003, 'Narayana', 2);  INSERT INTO emp VALUES(1004, 'Krishna', 2);  INSERT INTO emp VALUES(1005, 'Narada', 3);  INSERT INTO emp VALUES(1006, 'Hanuman', 3);  SELECT \* FROM dept;  SELECT \* from emp; |
| 3 | Click button Execute. |
| 4 | Click OK on alert message box for an error messages by DROP statements due to non-existent of tables for the first time. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Execution results, after scrolling down Result window, are as shown below: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS |  |  |  |  |
| Windows 7  **Chrome** | 1.13.14(359) | 2016-12-29 | Success |  |

### Unsuccessful Test Cases

None.

## SQL Statement(s) Window: SQL Script Execution Test Cases

### Successful Test Cases

Test Case 1/38: Test execution of a script

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | None. |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click navigation link SQL. |
| 2 | Click button Browse below the SQL Statement(s) window and choose the following file:  wjisql/wji\_tsrc/wji\_scripts/wji\_16\_sql\_scripts/tst\_16\_001\_sql\_script.sql |
| 3 | Click button Execute. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Loading of SQL statements from the file into SQL Statement(s) window and execution of all statements with results, after scrolling down Result window, are as shown below: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS |  |  |  |  |
| Windows 7  **Chrome** | 1.13.14(359) | 2016-12-29 | Success |  |

## SQL Statement(s) Window: Selected Statements Execution Test Cases

### Successful Test Cases

Test Case 1/39: Test execution of an SQL statement selected in SQLStatement(s) window.

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | None |

Test Procedure

|  |  |
| --- | --- |
| 1 | Click navigation link SQL. |
| 2 | Click button Browse below the SQL Statement(s) window and choose the following file:  wjisql/wji\_tsrc/wji\_scripts/wji\_16\_sql\_scripts/tst\_16\_001\_sql\_script.sql |
| 3 | Select the first SQL statement: as shown below: |
| 4 | Click button Execute. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Loading of SQL statements from the file into SQL Statement(s) window and execution of all statements with results as shown below: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS |  |  |  |  |
| Windows 7  **Chrome** | 1.13.14(359) | 2016-12-259 | Success |  |

Test Case 2/40: Test execution of consecutive multiple SQL statements selected in SQLStatement(s) window.

Test Prerequisites:

|  |  |
| --- | --- |
| 1 | Test Case 1 |

Test Procedure

|  |  |
| --- | --- |
| 1 | Add new SQL statement above first SELECT statement as following:  INSERT INTO ts1 VALUES(4, 'four'); |
| 2 | Select the last 3 SQL statements including the new one: as shown below: |
| 3 | Click button Execute. |

Test Expected o/p:

|  |  |
| --- | --- |
| 1 | Result window that shows exwecution of the three select statements: |

Test Status:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***Platform*** | ***wjISQL*** | ***Date*** | ***Status*** | ***Remarks*** |
| Ubuntu 16.04 LTS |  |  |  |  |
| Windows 7  **Chrome** | 1.13.14(359) | 2016-12-29 | Success |  |