Subject: How to use Like() with SqlArray
Posted by zsolt on Sun, 23 Jul 2006 22:20:46 GMT
View Forum Message <> Reply to Message

Hello, I'm trying SQL parts of Ultimate++. It's seems to be very powerful and easy to use, but I have some problems yet.
I want to use Like() function, but the code below is not working for me:

```
String like_str;
like_str << ~m_edit_find << '%';
m_array.SetWhere(Like(PARTNER_NAME, like_str));
```

The error message is like this:

Preparing: select PARTNER_ID, PARTNER_NAME, PARTNER_ZIP, PARTNER_CITY, PARTNER_ADDRESS from PARTNER where PARTNER_NAME like binary 'a%' order by PARTNER_NAME

What is the problem? Im using sqlite with upp-605 Windows.

Subject: Re: How to use Like() with SqlArray
Posted by mirek on Sun, 23 Jul 2006 23:52:44 GMT
View Forum Message <> Reply to Message

I am no SQLite expert, but I guess "binary" is not OK there...

(Means either plugin/SQLite or SqlExp will need some fixing).

Mirek

Subject: Re: How to use Like() with SqlArray
Posted by zsolt on Mon, 24 Jul 2006 06:59:43 GMT
View Forum Message <> Reply to Message

Thanks, you are right.
I have changed Like() in Sqlexp.cpp from

```
SqlBool Like(const SqlVal& a, const SqlVal& b) {
 int sqld = GetSqlDialect(a, b);
 return SqlBool(a, sqld == SQLD_MYSQL || sqld == SQLD_SQLITE3 ? " like binary " : " like ", b,
SqlS::COMP);
}
```

to

```
SqlBool Like(const SqlVal& a, const SqlVal& b) {
 int sqld = GetSqlDialect(a, b);
 return SqlBool(a, sqld == SQLD_MYSQL ? " like binary " : " like ", b, SqlS::COMP);
}
```

and now it is working correcly. I have no idea why that "binary" was in sources. I tested "like binary" directly in sqlite and it produces an error. So this was a bug, I think.

Subject: Re: How to use Like() with SqlArray
Posted by unodgs on Mon, 24 Jul 2006 07:49:58 GMT
View Forum Message <> Reply to Message

zsolt wrote on Mon, 24 July 2006 02:59Thanks, you are right.
I have changed Like() in Sqlexp.cpp from

```
SqlBool Like(const SqlVal& a, const SqlVal& b) {
 int sqld = GetSqlDialect(a, b);
 return SqlBool(a, sqld == SQLD_MYSQL || sqld == SQLD_SQLITE3 ? " like binary " : " like ", b,
SqlS::COMP);
}
```

to

```
SqlBool Like(const SqlVal& a, const SqlVal& b) {
 int sqld = GetSqlDialect(a, b);
 return SqlBool(a, sqld == SQLD_MYSQL ? " like binary " : " like ", b, SqlS::COMP);
}
```

and now it is working correcly. I have no idea why that "binary" was in sources. I tested "like binary" directly in sqlite and it produces an error. So this was a bug, I think.

From mysql page:

The following two statements illustrate that string comparisons are not case sensitive unless one of the operands is a binary string:

```
mysql> SELECT 'abc' LIKE 'ABC';
       -> 1
mysql> SELECT 'abc' LIKE BINARY 'ABC';
       -> 0
```

http://dev.mysql.com/doc/refman/5.0/en/string-comparison-fun ctions.html

More about binary operator:
http://dev.mysql.com/doc/refman/5.1/en/charset-binary-op.htm l

---

Subject: Re: How to use Like() with SqlArray
Posted by unodgs on Mon, 24 Jul 2006 07:55:46 GMT
View Forum Message <> Reply to Message

Frankly we should throw out the binary operator from mysql version.. (or add to sqlexp LikeBinary..)

Subject: Re: How to use Like() with SqlArray
Posted by mirek on Mon, 24 Jul 2006 09:21:49 GMT
View Forum Message <> Reply to Message

I think that we should rather apply zsolt's patch (binary for MySql) to keep Oracle and MySql and SQLite the same (case sensitive) (which is now done

Mirek

Subject: Re: How to use Like() with SqlArray
Posted by unodgs on Mon, 24 Jul 2006 10:39:39 GMT
View Forum Message <> Reply to Message

luzr wrote on Mon, 24 July 2006 05:21I think that we should rather apply zsolt's patch (binary for MySql) to keep Oracle and MySql and SQLite the same (case sensitive) (which is now done
Mirek
I proposed removing binary because I thought like is case insesitive.. (I used it only once or twice)