
Posted by on Wed, 27 Mar 2024 08:49:28 GMT

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SELECT 0x8000000000000000 FROM RDB\$DATABASE; --int64

CONSTANT

=====

-9223372036854775808

SELECT 0x1800000000000000 FROM RDB\$DATABASE; --int128

CONSTANT

=====

Statement failed, SQLSTATE = 22003

Dynamic SQL Error

-SQL error code = -303

-arithmetic exception, numeric overflow, or string truncation

-Integer overflow. The result of an integer operation caused the most significant bit of the result to carry.

Firebird/Linux/AMD/Intel/x64 (access method),

version "LI-V4.0.2.2816 Firebird 4.0"

on disk structure version 13.0

Dialect 3.

Posted by [hvlad](#) on Wed, 27 Mar 2024 08:57:41 GMT

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Database: inet://employee, User: SYSDBA

SQL> show version;

ISQL Version: WI-V4.0.2.2816 Firebird 4.0

Server version:

Firebird/Windows/AMD/Intel/x64 (access method), version "WI-V4.0.2.2816 Firebird 4.0"
Firebird/Windows/AMD/Intel/x64 (remote server), version "WI-V4.0.2.2816 Firebird 4.0/tcp
(FireWork)/P17:C"
Firebird/Windows/AMD/Intel/x64 (remote interface), version "WI-V4.0.2.2816 Firebird 4.0/tcp
(FireWork)/P17:C"
on disk structure version 13.0
SQL>
SQL> SELECT 0x1800000000000000 FROM RDB\$DATABASE;

CONSTANT

=====

27670116110564327424

Posted by [hvlad](#) on Wed, 27 Mar 2024 09:00:10 GMT
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Posted by [hvlad](#) on Wed, 27 Mar 2024 09:11:43 GMT
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Posted by [hvlad](#) on Wed, 27 Mar 2024 09:14:08 GMT
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Database: employee, User: SYSDBA
SQL> SELECT 0x1800000000000000 FROM RDB\$DATABASE;

CONSTANT

```
=====
```

27670116110564327424

SQL> set bind of int128 to numeric(18);
SQL>
SQL> SELECT 0x1800000000000000 FROM RDB\$DATABASE;

CONSTANT

```
=====
```

Statement failed, SQLSTATE = 22003

Dynamic SQL Error

-SQL error code = -303

-arithmetic exception, numeric overflow, or string truncation

-Integer overflow. The result of an integer operation caused the most significant bit of the result to carry.

Posted by on Wed, 27 Mar 2024 09:49:20 GMT

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SQL> show tables;
TEST

SQL> show table test;
ID INT128 Nullable

Posted by on Wed, 27 Mar 2024 09:57:43 GMT

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DataTypeCompatibility = 3.0

Posted by [hvlad](#) on Wed, 27 Mar 2024 09:58:35 GMT

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Posted by [hvlad](#) on Wed, 27 Mar 2024 10:00:06 GMT

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Posted by [hvlad](#) on Wed, 27 Mar 2024 10:21:04 GMT

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