
Article[Oliver Wilms](#) · Jan 8, 2022 2m read

dataset-finance and my first experience with SQL LOAD DATA

I read under Topics and Rules of InterSystems Datasets Contest:

- Class naming convention. Start the class names with: `dc.data.yourname.class`. E.g. if there is a dataset on trading data the class names could be: `dc.data.finance.transaction`, `dc.data.finance.instrument`.

I created a class “ `dc.data.finance.transaction` ”. I expected that it would not compile, because I remembered “ `Date` ” was a reserved word in SQL, and one of its properties was named “ `Date.` ” To my surprise, the class compiled successfully. When I tried to execute query “ `select * from dcdatafinance.transaction,` ” I got an error referencing reserved word TRANSACTION. I browsed tables listing on the left, found “ `dc.data.finance.transaction` ”, and dragged it into query textarea. I saw the query displayed like this:

```
SELECT
```

```
ID, "Date", "Check", Merchant, Category, SubCategory, Memo, Credit, Debit, BillPay, DebitCard, Account, Status
```

```
FROM dcdatafinance."transaction"
```

I tried SQL Load command from SQL Shell:

```
[SQL]USER>>LOAD DATA FROM FILE "/irisrun/repo/data/finance-transactions-08-Jan-202208-25.csv"
into dcdatafinance."transaction"
```

```
ERROR #5540: SQLCODE: -1 Message: Delimited identifier expected, delimited identifier containing
invalid character '.' found^LOAD DATA FROM FILE "/irisrun/repo/data/finance-
transactions-08-Jan-202208-25.csv"
```

I tried to use single quotes around my file:

```
[SQL]USER>>LOAD DATA FROM FILE '/irisrun/repo/data/finance-transactions-08-Jan-202208-25.csv'
into dcdatafinance."transaction"
```

```
1. LOAD DATA FROM FILE '/irisrun/repo/data/finance-transactions-08-Jan-202208-25.csv' into
dcdatafinance."transaction"
```

```
[SQLCODE: <-1>:<Invalid SQL statement>]
```

```
[%msg: < IDENTIFIER expected, reserved word TRANSACTION found^ SELECT * FROM
```

```
dcdatafinance . TRANSACTION>]
```

0 Rows Affected

statement prepare time(s)/globals/cmds/disk: 0.0091s/2,113/15,967/0ms

execute time(s)/globals/cmds/disk: 0.1604s/48,014/304,365/5ms

cached query class: %sqlcq.USER.cls13

When I tried the SQL Load commands in Management Portal, I got similar error messages as previously in SQL Shell.

I shortened the filename from “ finance-transactions-08-Jan-202208-25.csv ” to “ finance.csv ” and then just “ finance. ” I still got error because of TRANSACTION table name. Maybe it is time to recreate the transaction class avoiding reserved words as Table name and properties (Date and Check).

[#SQL](#) [#InterSystems IRIS](#)

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