

Importing data from a CSV file

The following example creates a simple comma-separated values (CSV) file and imports its data into a database:

```
execute ibeblock
  returns (outstr varchar(100))
as
begin
```

First, let's create a simple CSV-file with some data:

```
FS = ibec_fs_OpenFile('D:\MyData.csv', __fmCreate);
if (not FS is null) then
begin
  s = '1:John:Doe:M';
  ibec_fs_Writeln(FS, s);
  s = '2:Bill:Gates:M';
  ibec_fs_Writeln(FS, s);
  s = '3:Sharon:Stone:F';
  ibec_fs_Writeln(FS, s);
  s = '4:Stephen:King:M';
  ibec_fs_Writeln(FS, s);
  ibec_fs_CloseFile(FS);
end
```

If table IBE\$\$TEST_PEOPLE exists we'll drop it:

```
if (exists(select rdb$relation_name from rdb$relations where
rdb$relation_name = 'IBE$$TEST_PEOPLE')) then
begin
  s = 'DROP TABLE IBE$$TEST_PEOPLE';
  execute statement s;
  commit;
end
```

Let's create a new table that will store the imported data:

```
s = 'CREATE TABLE IBE$$TEST_PEOPLE (
  ID integer,
  FIRST_NAME varchar(50),
  LAST_NAME varchar(50),
  SEX varchar(1))';
execute statement s;
commit;
i = 0; (-- Just a counter of inserted records)
FS = ibec_fs_OpenFile('D:\MyData.csv', __fmOpenRead);
if (not FS is null) then
begin
```

```
while (not ibec_fs_Eof(FS)) do
begin
    s = ibec_fs_Readln(FS);
    ValCount = ibec_ParseCSVLine(Vals, s, ',', ':',
__csvEmptyStringAsNull);
    INSERT INTO IBE$$TEST_PEOPLE (ID, FIRST_NAME, LAST_NAME, SEX) VALUES
:Vals;
    commit;
    i = i + 1;
end
ibec_fs_CloseFile(FS);
end

outstr = i || ' records inserted into IBE$$TEST_PEOPLE';
suspend;
end
```

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