

IBEBLOCK and Test Data Generator

The following IBEBlock creates a table named IBE\$TEST_DATA and populates it with random data.

```
execute ibeblock
returns (info varchar(100))
as
begin
    RecNum = 10000;

    if (exists (select rdb$relation_name from rdb$relations where
rdb$relation_name = 'IBE$$TEST_DATA')) then
        begin
            execute statement 'drop table IBE$$TEST_DATA';
            commit;
        end

    execute statement
    'create table IBE$$TEST_DATA (
        F_INTEGER integer,
        F_VARCHAR varchar(100),
        F_DATE date,
        F_TIME time,
        F_TIMESTAMP timestamp,
        F_NUMERIC numeric(15,2),
        F_BOOL char(1) check (F_BOOL in (''T'', ''F'')),
        F_BLOB blob sub_type 1,
        F_SEASON varchar(15) check(F_SEASON in (''Spring'', ''Summer'',
''Autumn'', ''Winter'')),
        F_RELS varchar(64))';
    commit;

    StartTime = ibec_gettickcount();

    i = 0;
    for select rdb$relation_name
    from rdb$relations
    into :rel_names
    do
        begin
            rels[i] = :rel_names;
            i = i + 1;
        end

    i = 0;
    while (i < RecNum) do
        begin
            fint      = ibec_random2(1, 100000);
            fvarc     = ibec_randomstring(1,100,65,90);
```

```
fdate    = ibec_random2(20000,40000);
ftime    = ibec_random(0);
ftimest  = ibec_random2(20000,40000) + ibec_random(0);
fnum     = ibec_random2(1,40000) + ibec_random(0);
fbool    = ibec_randomval('T','F');
fblob    = ibec_randomstring(500, 1000, 65, 90);
fseason  = ibec_randomval('Spring', 'Summer', 'Autumn', 'Winter');
frel     = rels[ibec_random2(0,ibec_high(rels))];

insert into IBE$$TEST_DATA values (:fint, :fvarc, :fdate, :ftime,
:fimest, :fnum, :fbool, :fblob, :fseason, :frel);
i = i + 1;

if (ibec_mod(i, 500) = 0) then
begin
    ibec_progress(i || ' records inserted...');
    commit;
end
end

commit;

EndTime = ibec_gettickcount();
info = 'Total time: ' || ((EndTime - StartTime) / 1000) || ' seconds';
suspend;
info = 'Per record: ' || ((EndTime - StartTime) / 1000 / RecNum) || '
seconds';
suspend;
end
```

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