Recreating indices 2

The following example illustrates how to recreate database indices using AS DATASET:

```
execute ibeblock
returns (info varchar(1000))
as
begin
  select i.rdb$index_name, i.rdb$relation_name, i.rdb$unique_flag,
         i.rdb$index_inactive, i.rdb$index_type
  from rdb$indices i
  left join rdb$relation_constraints rc on (i.rdb$index_name =
rc.rdb$index_name)
  where (i.rdb$system_flag is null) and (rc.rdb$index_name is null)
  as dataset ds_indices;

  while (not ibec_ds_eof(ds_indices)) do
  begin
    IdxName = ibec_trim(ibec_ds_getfield(ds_indices,0));
    IdxRelName = ibec_trim(ibec_ds_getfield(ds_indices,1));
    IdxUnique = ibec_ds_getfield(ds_indices,2);
    IdxInactive = ibec_ds_getfield(ds_indices,3);
    IdxType = ibec_ds_getfield(ds_indices,4);

    sFields = '';
    for select rdb$field_name from rdb$index_segments
        where rdb$index_name = :IdxName
        order by rdb$field_position
        into :IdxField
    do
    begin
      IdxField = ibec_trim(IdxField);
      if (sFields <> '') then
        sFields = sFields || ', ';
      sFields = sFields || ibec_formatident(IdxField);
    end

    DropStmt   = 'drop index ' || ibec_formatident(IdxName);
    CreateStmt = 'create ' || ibec_iif(IdxUnique = 1, 'unique ', '') ||
ibec_iif(IdxType = 1, 'descending ', '') ||

                 ' index ' || ibec_formatident(IdxName) ||
                 ' on ' || ibec_formatident(IdxRelName) || ' (' || sFields
|| ')';

    info = DropStmt;
    suspend;
    ibec_progress(info);
    execute statement :DropStmt;
```

```
    commit;

    info = CreateStmt;
    suspend;
    ibec_progress(info);
    execute statement :CreateStmt;
    commit;

    ibec_ds_next(ds_indices);
  end

  close dataset ds_indices;
end
```

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