Posted by on Mon, 22 Aug 2022 12:25:55 GMT
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```
CREATE TABLE PEOPLE (
   ID   INTEGER NOT NULL,
   FIO  VARCHAR(50)
);
ALTER TABLE PEOPLE ADD CONSTRAINT PK_PEOPLE PRIMARY KEY (ID);
```

```
CREATE TABLE LAB_1 (
   ID         INTEGER NOT NULL,
   FK_PEOLPLE  SMALLINT,
   FLD_DATE    TIMESTAMP DEFAULT current_timestamp NOT NULL,
   FLD_STR1    VARCHAR(10)
);
ALTER TABLE LAB_1 ADD CONSTRAINT PK_LAB_1 PRIMARY KEY (ID);
ALTER TABLE LAB_1 ADD CONSTRAINT FK_LAB_1_1 FOREIGN KEY (FK_PEOLPLE)
REFERENCES PEOPLE (ID);
```

File Attachments

1) test.zip, downloaded 1385 times
2) test.sql, downloaded 1346 times

Posted by pastor on Mon, 22 Aug 2022 12:45:25 GMT
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Posted by ggreggory on Mon, 22 Aug 2022 12:47:10 GMT
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Posted by on Mon, 22 Aug 2022 12:55:19 GMT
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Posted by on Mon, 22 Aug 2022 12:56:24 GMT

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Posted by pastor on Mon, 22 Aug 2022 12:56:40 GMT
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Posted by pastor on Mon, 22 Aug 2022 13:10:09 GMT
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```
create domain PK bigint not null;
create domain D_NAME varchar(100) not null;
create domain D_EXAM_VALUE varchar(100) not null;
create domain D_EXAM_WARN integer;
create domain D_COMMENT varchar(200);
create domain D_DATE timestamp not null;
```

```
ID PK,
LNAME D_NAME,
FNAME D_NAME,
MNAME D_NAME,
constraint PEOPLES
 primary key(ID)
 );


ID PK,
NAME D_NAME,
LOW_RANGE D_EXAM_VALUE,
HIGH_RANGE D_EXAM_VALUE,
constraint EXAM_TYPES
 primary key(ID)
 );


ID PK,
ID_PEOPLE PK,
NUM D_NAME,
DATE_SUR D_DATE,
constraint SURVEYS
 primary key(ID),
constraint SURVEYS_PEOPLE
foreign key (ID_PEOPLE)
 references PEOPLES(ID)
 );


ID PK,
ID_SURVEYS PK,
ID_EXAM_TYPE PK,
EXAM_VALUE D_EXAM_VALUE,
constraint SURVEYS_EXAMS
 primary key(ID),
constraint SURVEYS_EXAMS_SUR
foreign key (ID_SURVEYS)
 references SURVEYS(ID),
constraint SURVEYS_EXAMS_TYPES
foreign key (ID_EXAM_TYPE)
 references EXAM_TYPES(ID)
 );
```

Posted by sim_84 on Mon, 22 Aug 2022 13:31:03 GMT
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Posted by on Mon, 22 Aug 2022 19:51:43 GMT
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Posted by on Mon, 22 Aug 2022 21:28:47 GMT
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```
SELECT
     RF.RDB$RELATION_NAME AS "tbl_name"
     , R.RDB$DESCRIPTION AS "tbl_comment"
--      , RF.RDB$FIELD_NAME
FROM RDB$RELATION_FIELDS RF JOIN RDB$RELATIONS R
  on R.RDB$RELATION_NAME = RF.RDB$RELATION_NAME
WHERE RDB$FIELD_NAME = 'FK_PEOPLE'
```

Posted by sim_84 on Tue, 23 Aug 2022 06:26:13 GMT
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Posted by on Tue, 23 Aug 2022 06:50:50 GMT
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```
CREATE TABLE TBL_LS_BIOCH_CLINIC (
   ID                INTEGER NOT NULL,
   ISSUE_DATE          DMN_DATETIME,
   CGA               DMN_STRING_100,
   A1A               DMN_STRING_100,
   A1AT              DMN_STRING_100,
   A1AT_NOTE           DMN_BLOBTXT,
   <skiped>
);

COMMENT ON COLUMN TBL_LS_BIOCH_CLINIC.CGA IS




COMMENT ON COLUMN TBL_LS_BIOCH_CLINIC.A1A IS




COMMENT ON COLUMN TBL_LS_BIOCH_CLINIC.A1AT IS


PiMM) ';

COMMENT ON COLUMN TBL_LS_BIOCH_CLINIC.A1AT_NOTE IS
```

Posted by fraks on Tue, 23 Aug 2022 07:11:06 GMT
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Posted by on Tue, 23 Aug 2022 07:38:09 GMT
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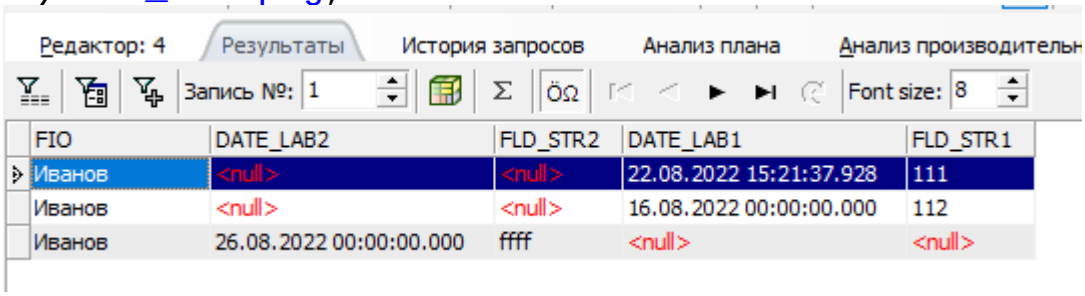
```
CREATE TABLE LAB_CASE (
   ID        INTEGER NOT NULL,
   FK_PEOPLE  INTEGER NOT NULL,
   FK_LAB1    INTEGER,
   FK_LAB2    INTEGER
);
ALTER TABLE LAB_CASE ADD CONSTRAINT FK_LAB_CASE_1 FOREIGN KEY
(FK_PEOPLE) REFERENCES PEOPLE (ID);
ALTER TABLE LAB_CASE ADD CONSTRAINT FK_LAB_CASE_2 FOREIGN KEY (FK_LAB1)
REFERENCES LAB_1 (ID);
ALTER TABLE LAB_CASE ADD CONSTRAINT FK_LAB_CASE_3 FOREIGN KEY (FK_LAB2)
REFERENCES LAB_2 (ID);

SELECT
   P.FIO FIO
   , L2.FLD_DATE DATE_LAB2
   , L2.FLD_STR2
   , L1.FLD_DATE DATE_LAB1
   , L1.FLD_STR1
FROM (LAB_CASE LC
  JOIN PEOPLE P ON (LC.FK_PEOPLE = P.ID))
  LEFT JOIN LAB_1 L1 ON (LC.FK_LAB1 = L1.ID)
  LEFT JOIN LAB_2 L2 ON (LC.FK_LAB2 = L2.ID)
```

PLAN JOIN (JOIN (JOIN (P NATURAL, LC INDEX (FK_LAB_CASE_1)), L1 INDEX (PK_LAB_1)), L2 INDEX (PK_LAB_2))

File Attachments

1) scr_090.png, downloaded 2713 times



FIO	DATE_LAB2	FLD_STR2	DATE_LAB1	FLD_STR1
Иванов	<null>	<null>	22.08.2022 15:21:37.928	111
Иванов	<null>	<null>	16.08.2022 00:00:00.000	112
Иванов	26.08.2022 00:00:00.000	ffff	<null>	<null>

Posted by fraks on Tue, 23 Aug 2022 07:38:43 GMT
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Posted by on Tue, 23 Aug 2022 07:46:09 GMT
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Posted by S.PR on Tue, 23 Aug 2022 21:31:48 GMT
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Posted by fraks on Wed, 24 Aug 2022 01:28:10 GMT
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```
CREATE TABLE LAB_CASE (
   ID        INTEGER NOT NULL,
   FK_PEOPLE  INTEGER NOT NULL,
   FK_LAB1    INTEGER,
   FK_LAB2    INTEGER
);
ALTER TABLE LAB_CASE ADD CONSTRAINT FK_LAB_CASE_1 FOREIGN KEY
```

```
(FK_PEOPLE) REFERENCES PEOPLE (ID);
ALTER TABLE LAB_CASE ADD CONSTRAINT FK_LAB_CASE_2 FOREIGN KEY (FK_LAB1)
REFERENCES LAB_1 (ID);
ALTER TABLE LAB_CASE ADD CONSTRAINT FK_LAB_CASE_3 FOREIGN KEY (FK_LAB2)
REFERENCES LAB_2 (ID);
```

```
SELECT
    P.FIO FIO
   , L2.FLD_DATE DATE_LAB2
   , L2.FLD_STR2
   , L1.FLD_DATE DATE_LAB1
   , L1.FLD_STR1
FROM (LAB_CASE LC
  JOIN PEOPLE P ON (LC.FK_PEOPLE = P.ID))
  LEFT JOIN LAB_1 L1 ON (LC.FK_LAB1 = L1.ID)
  LEFT JOIN LAB_2 L2 ON (LC.FK_LAB2 = L2.ID)
```

```
PLAN JOIN (JOIN (JOIN (P NATURAL, LC INDEX (FK_LAB_CASE_1)), L1 INDEX (PK_LAB_1)),
L2 INDEX (PK_LAB_2))
```

Posted by fraks on Wed, 24 Aug 2022 03:56:45 GMT
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```
CREATE TABLE LAB_SPR (
   ID    INTEGER NOT NULL,
   NAME  VARCHAR(50)
);

ALTER TABLE LAB_SPR ADD CONSTRAINT PK_LAB_SPR PRIMARY KEY (ID);



/******************************************************************************/

CREATE GENERATOR GEN_LAB_LST_ID;

CREATE TABLE LAB_LST (
   ID         INTEGER NOT NULL,
   ID_LAB_SPR  INTEGER NOT NULL,
   ID_PEOPLE   INTEGER NOT NULL,
   DT         TIMESTAMP NOT NULL
);
```

```
ALTER TABLE LAB_LST ADD CONSTRAINT PK_LAB_LST    PRIMARY KEY (ID);
ALTER TABLE LAB_LST ADD CONSTRAINT FK_LAB_PEOPLE FOREIGN KEY (ID_PEOPLE )
REFERENCES PEOPLE  (ID);
ALTER TABLE LAB_LST ADD CONSTRAINT FK_LAB_SPR    FOREIGN KEY (ID_LAB_SPR)
REFERENCES LAB_SPR (ID);


SET TERM ^ ;
CREATE OR ALTER TRIGGER LAB_LST_BI FOR LAB_LST
ACTIVE BEFORE INSERT POSITION 0
as
begin
  if (new.id is null) then
    new.id = gen_id(gen_lab_lst_id,1);
end
^

SET TERM ; ^




INSERT INTO LAB_LST (ID, ID_LAB_SPR, ID_PEOPLE, DT) VALUES (1, 1, 1, '22-AUG-2022
15:21:37');
INSERT INTO LAB_LST (ID, ID_LAB_SPR, ID_PEOPLE, DT) VALUES (2, 1, 1, '16-AUG-2022
00:00:00');
INSERT INTO LAB_LST (ID, ID_LAB_SPR, ID_PEOPLE, DT) VALUES (3, 1, 2, '22-AUG-2022
15:22:08');
INSERT INTO LAB_LST (ID, ID_LAB_SPR, ID_PEOPLE, DT) VALUES (4, 1, 2, '3-AUG-2022
00:00:00');
INSERT INTO LAB_LST (ID, ID_LAB_SPR, ID_PEOPLE, DT) VALUES (5, 1, 3, '22-AUG-2022
15:22:33');
INSERT INTO LAB_LST (ID, ID_LAB_SPR, ID_PEOPLE, DT) VALUES (6, 2, 3, '22-AUG-2022
15:22:48');
INSERT INTO LAB_LST (ID, ID_LAB_SPR, ID_PEOPLE, DT) VALUES (7, 2, 3, '17-AUG-2022
00:00:00');
INSERT INTO LAB_LST (ID, ID_LAB_SPR, ID_PEOPLE, DT) VALUES (8, 2, 1, '26-AUG-2022
00:00:00');
COMMIT;



select
  people.fio,
  lab_lst.dt,
  lab_spr.name,
  lab_lst.id
```

```
from lab_lst
  left join lab_spr on (lab_spr.id = lab_lst.id_lab_spr)
  left join people  on (people.id  = lab_lst.id_people )



order by
  lab_lst.dt

+--------+--------------------+-------+----+
| FIO    | DT                 | NAME  | ID |
+--------+--------------------+-------+----+



+--------+--------------------+-------+----+



CREATE TABLE LAB_1 (
    ID         INTEGER NOT NULL,
    FK_PEOPLE   SMALLINT,
    FLD_STR1    VARCHAR(10)
);

CREATE TABLE LAB_1 (
    ID         INTEGER NOT NULL,
    ID_LAB_LST  INTEGER NOT NULL,
    FLD_STR1    VARCHAR(10)
);
ALTER TABLE LAB_1 ADD CONSTRAINT FK_LAB1_LST FOREIGN KEY (ID_LAB_LST )
REFERENCES LAB_LST (ID);
```

Posted by fraks on Wed, 24 Aug 2022 04:20:42 GMT
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```
CREATE TABLE DAT_SPR (
   ID    INTEGER NOT NULL,



);

ALTER TABLE DAT_SPR ADD CONSTRAINT PK_DAT_SPR PRIMARY KEY (ID);



CREATE TABLE LAB_DAT (
   ID         INTEGER NOT NULL,
   ID_LAB_LST  INTEGER NOT NULL,
   ID_DAT_SPR  INTEGER NOT NULL,
   VAL        VARCHAR(10)
);

ALTER TABLE LAB_DAT ADD CONSTRAINT FK_LAB_DAT_LST FOREIGN KEY (ID_LAB_LST)
REFERENCES LAB_LST (ID);
ALTER TABLE LAB_DAT ADD CONSTRAINT FK_LAB_DAT_SPR FOREIGN KEY
(ID_DAT_SPR) REFERENCES DAT_SPR (ID);
```

Posted by on Fri, 26 Aug 2022 05:19:41 GMT
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@fraks

Posted by fraks on Fri, 26 Aug 2022 06:58:25 GMT
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DAT_SPR.

DAT_SPR.ID_LAB_SPR -> LAB_SPR.ID

Posted by on Fri, 26 Aug 2022 07:41:33 GMT
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:roll:

Posted by on Fri, 26 Aug 2022 12:08:54 GMT
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```
SELECT
   LS.NAME_LAB,
   LL.SEARCH_DATE,
   P.FIO,
   LD.VAL,
   TS.NAME,
   DS.DESCRIPT,
   DS.NAME
FROM PEOPLE P
  INNER JOIN LAB_LST LL ON (P.ID = LL.FK_PEOPLE)
  INNER JOIN LAB_SPR LS ON (LL.FK_LAB_SPR = LS.ID)
  INNER JOIN LAB_DAT LD ON (LL.ID = LD.FK_LAB_LST)
  INNER JOIN DAT_SPR DS ON (LD.FK_DAT_SPR = DS.ID)
  INNER JOIN TISSUE_SPR TS ON (DS.FK_TISSUE = TS.ID)

------------------------------------------------------------------------------
PLAN JOIN (LL NATURAL, LD INDEX (FK_LAB_DAT_1), P INDEX (PK_PEOPLE), LS INDEX
(PK_LAB_SPR), DS INDEX (PK_DAT_SPR), TS INDEX (PK_TISSUE_SPR))
```

File Attachments

1) test.sql, downloaded 1234 times