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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_PEOPLE 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_PEOPLE)  
REFERENCES PEOPLE (ID);
```

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### File Attachments

- 1) [test.zip](#), downloaded 1237 times
  - 2) [test.sql](#), downloaded 1166 times
- 
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Posted by [pastor](#) on Mon, 22 Aug 2022 12:45:25 GMT

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Posted by [ggregory](#) 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'
```

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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

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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);

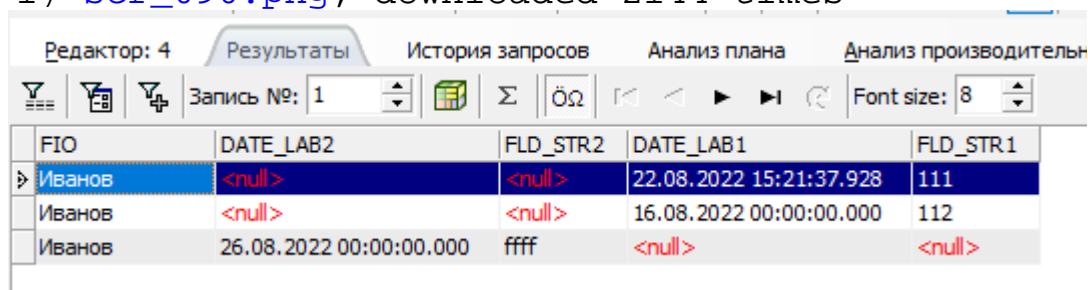
SELECT
  P.FIO FIO
  , L2.FLD_DATE DATE_LAB2
  , L2.FLD_STR2
  , L1.FLD_DATE DATE_LAB1
  , L1.FLD_STR1
FROM (LAB_CASE LC
  JOIN PEOPLE P ON (LC.FK_PEOPLE = P.ID))
  LEFT JOIN LAB_1 L1 ON (LC.FK_LAB1 = L1.ID)
  LEFT JOIN LAB_2 L2 ON (LC.FK_LAB2 = L2.ID)

```

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 2144 times



Редактор: 4    Результаты    История запросов    Анализ плана    Анализ производительности

Запись №: 1    Σ    ÖΩ    Font size: 8

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>

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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))
```

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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);
```

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Posted by \_\_\_\_\_ on Fri, 26 Aug 2022 05:19:41 GMT

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@fraks

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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

---

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

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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.DESCRPT,
  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

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1) [test.sql](#), downloaded 1058 times

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