
Posted by [anbsoft](#) on Tue, 20 Sep 2022 13:47:39 GMT

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```
CREATE DATABASE 'Base2.fdb' USER 'SYSDBA' PASSWORD 'masterkey';
```

```
CREATE TABLE Klient
(
  ID      Integer      NOT NULL,
  Name    VarChar(50),
  Dolg    NUMERIC(15,2) DEFAULT 0,
  PRIMARY KEY (ID)
);
```

```
CREATE GENERATOR GEN_Klient;
```

```
SET TERM ^ ;
CREATE TRIGGER SET_Klient FOR Klient
ACTIVE BEFORE INSERT POSITION 0
AS
declare variable IDTemp Integer;
BEGIN
  IF ((NEW.ID=0) OR (NEW.ID IS NULL)) THEN BEGIN
    NEW.ID=GEN_ID(GEN_Klient,1);
  END
END^
SET TERM ; ^
```

```
INSERT INTO Klient (ID, Name, Dolg) VALUES (0,'Test', 0);
```

```
CREATE TABLE Zatrata  
(  
ID          Integer      NOT NULL,  
Parent     Integer      default 0,  
IDKlient   Integer,  
State      Integer      default 0,  
Suma       NUMERIC(15,2) DEFAULT 0,  
Info       VarChar(100),  
Test1      Integer,  
PRIMARY KEY (ID)  
);
```

```
CREATE GENERATOR GEN_Zatrata;  
CREATE GENERATOR GEN_Test;
```

```
SET TERM ^ ;  
CREATE TRIGGER SET_Zatrata FOR Zatrata  
ACTIVE BEFORE INSERT POSITION 0  
AS  
BEGIN  
IF ((NEW.ID=0) OR (NEW.ID IS NULL)) THEN BEGIN  
NEW.ID=GEN_ID(GEN_Klient,1);  
END  
END^
```

```
CREATE TRIGGER Edit_Zatrata FOR Zatrata  
ACTIVE BEFORE UPDATE POSITION 0  
AS  
declare variable S1 VarChar(20);  
declare variable S2 VarChar(20);  
BEGIN  
IF ((OLD.State<>1) AND (NEW.State=1)) THEN BEGIN  
select Dolg from klient where (ID=NEW.IDKlient) into :S1;  
UPDATE Klient SET Dolg=Dolg-OLD.Suma WHERE (ID=NEW.IDKlient);  
select Dolg from klient where (ID=NEW.IDKlient) into :S2;  
NEW.Info=' - ' || coalesce(OLD.Info, '') || ' ' || S1 || ' ' || S2;  
NEW.Test1=GEN_ID(GEN_Test,1);  
END  
IF ((OLD.State=1) AND (NEW.State<>1)) THEN BEGIN  
UPDATE Klient SET Dolg=Dolg+OLD.Suma WHERE (ID=NEW.IDKlient);  
END  
END^
```

```
CREATE TRIGGER Edit_Doc FOR Zatrata  
ACTIVE AFTER UPDATE POSITION 0
```

```

AS
BEGIN
  IF ((NEW.Parent<>0) AND (NEW.State<>OLD.State)) THEN BEGIN
    UPDATE Zatrak SET State=NEW.State WHERE (Parent=NEW.Parent) AND
(State<>NEW.State) AND (ID<>NEW.ID);
  END
END^

```

```
SET TERM ; ^
```

```

INSERT INTO Zatrak (ID, Parent, IDKlient, State, Suma) VALUES (1,1,1,0,10);
INSERT INTO Zatrak (ID, Parent, IDKlient, State, Suma) VALUES (2,1,1,0,30);
INSERT INTO Zatrak (ID, Parent, IDKlient, State, Suma) VALUES (3,1,1,0,50);
INSERT INTO Zatrak (ID, Parent, IDKlient, State, Suma) VALUES (4,1,1,0,200);

```

```
UPDATE Zatrak SET State=1 where (ID=1);
```

```
SELECT * FROM Klient;
```

```

ID NAME      DOLG
== =====
1 Test      -290.00

```

```
Select * FROM Zatrak ORDER BY ID;
```

```

ID PARENT IDKLIENT STATE SUMA INFO          TEST1
== =====
1  1      1  1 10.00 - 0.00 -10.00    1
2  1      1  1 30.00 - -10.00 -40.00    2
3  1      1  1 50.00 - -40.00 -90.00    3
4  1      1  1 200.00 - -90.00 -290.00  4

```

```
COMMIT WORK;
```

```
SELECT * FROM Klient;
```

```

ID NAME      DOLG
== =====
1 Test      -740.00

```

```
Select * FROM Zatrak ORDER BY ID;
```

```

ID PARENT IDKLIENT STATE SUMA INFO          TEST1
== =====
1  1      1  1 10.00 - 0.00 -10.00    1
2  1      1  1 30.00 - -10.00 -40.00    2

```

3	1	1	1	50.00	-	-490.00	-540.00	6
4	1	1	1	200.00	-	-540.00	-740.00	7