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Posted by            on Sun, 13 Nov 2022 20:58:52 GMT

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```
CREATE GENERATOR GEN_TBL_MAST_ID;
```

```
CREATE TABLE TBL_MAST (  
  ID   INTEGER NOT NULL,  
  NAME VARCHAR(20) NOT NULL  
);
```

```
ALTER TABLE TBL_MAST ADD CONSTRAINT PK_TBL_MAST PRIMARY KEY (ID);
```

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

```
CREATE GENERATOR GEN_TBL_DETAIL_ID;
```

```
CREATE TABLE TBL_DETAIL (  
  ID   INTEGER NOT NULL,  
  FK_MAST INTEGER,  
  NAME  VARCHAR(30)  
);
```

```
ALTER TABLE TBL_DETAIL ADD CONSTRAINT PK_TBL_DETAIL PRIMARY KEY (ID);  
ALTER TABLE TBL_DETAIL ADD CONSTRAINT FK_TBL_DETAIL_1 FOREIGN KEY  
(FK_MAST) REFERENCES TBL_MAST (ID) ON DELETE SET NULL;
```

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

^

SET TERM ; ^

```
INSERT INTO TBL_MAST (ID, NAME) VALUES (1, 'master1');
```

```
INSERT INTO TBL_MAST (ID, NAME) VALUES (2, 'master2');
```

```
INSERT INTO TBL_DETAIL (ID, FK_MAST, NAME) VALUES (1, 1, 'val_1');
```

```
INSERT INTO TBL_DETAIL (ID, FK_MAST, NAME) VALUES (2, 2, 'val_2');
```

```
INSERT INTO TBL_DETAIL (ID, FK_MAST, NAME) VALUES (3, NULL, 'val_null');
```

SELECT

M.ID MAST\_ID,

M.NAME MAST\_NAME,

D.ID DET\_ID,

D.FK\_MAST FK,

D.NAME DET\_NAME

FROM TBL\_DETAIL D

INNER JOIN TBL\_MAST M ON (D.FK\_MAST = M.ID)

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Posted by [hvlad](#) on Sun, 13 Nov 2022 22:47:45 GMT

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TBL\_DETAIL D RIGHT JOIN TBL\_MAST M

TBL\_MAST M LEFT JOIN TBL\_DETAIL D ?

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Posted by \_\_\_\_\_ on Mon, 14 Nov 2022 10:14:29 GMT

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@hvlad

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