



pears.ReplaceStr



Generated schema reference. Regenerate this page from the SQL unload; keep hand-maintained business notes in the narrative namespace.

Original SQL

```
CREATE FUNCTION "pears"."ReplaceStr"(  
    /* Application Maintained Function / Procedure - DO NOT EDIT*/  
    IN "mainstring" CHAR(255),IN "replacestring" CHAR(255),IN "withwhat"  
    CHAR(255),IN "times" tinyint )  
    RETURNS VARCHAR(255)  
    BEGIN  
        //  
        // Variable declarations  
        //  
        DECLARE "newstring" VARCHAR(255);  
        DECLARE "togo" tinyint;  
        DECLARE "beforestring" VARCHAR(255);  
        DECLARE "afterstring" VARCHAR(255);  
        DECLARE "pos" tinyint;  
        DECLARE "lenreplace" tinyint;  
        DECLARE "lennewstring" tinyint;  
        DECLARE "lenwithwhat" tinyint;  
        DECLARE "startpos" tinyint;  
        //  
        // SET initial VALUES  
        //  
        SET "lenreplace" = "length"("replacestring");  
        SET "newstring" = "mainstring";  
        SET "lenwithwhat" = "length"("withwhat");  
        SET "pos" = 0;  
        SET "startpos" = 1;  
        // CHECK FOR NULL OR empty string  
        IF "mainstring" IS NULL OR "mainstring" = '' THEN RETURN("mainstring")  
        END IF;  
        // SET counter, IF NOT replacing ALL  
        IF "times" <> 0 THEN  
            SET "togo" = "times"  
        END IF;  
        //  
        // Loop FOR replace_text
```



```
//
"replace_text": loop
  // Find POSITION OF (NEXT) occurrence
  SET "pos" = "locate"("newstring","replacestring","startpos");
  // CHECK FOR no (more) occurrences
  IF "pos" = 0 THEN leave "replace_text"
  END IF;
  // CHECK FOR done required NUMBER OF replacements, IF NOT replacing ALL
  IF "times" <> 0 THEN
    IF "togo" = 0 THEN leave "replace_text"
    END IF END IF;
  SET "lennewstring" = "length"("newstring");
  // Find text BEFORE AND after text TO be replaced
  SET "beforestring" = "left"("newstring","pos"-1);
  SET "afterstring" = "right"("newstring","lennewstring"-
("pos"+"lenreplace"-1));
  // CREATE NEW string WITH replaced text
  SET "newstring" = "beforestring" || "withwhat" || "afterstring";
  // SET NEW SEARCH starting POSITION
  SET "startpos" = "pos"+"lenwithwhat";
  // Decrement NUMBER OF replacements counter, IF NOT replacing ALL
  IF "times" <> 0 THEN
    SET "togo" = "togo"-1
  END IF
END loop "replace_text";
RETURN("newstring")
END
```

From:

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Last update: **2026/08/07 19:24**

