



# pears.ReplaceStr



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

## Original SQL

```
COMMENT TO PRESERVE FORMAT ON PROCEDURE "pears"."ReplaceStr" IS
{CREATE FUNCTION 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
}
```

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