



pears.Base29Safe



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"."Base29Safe" IS
{CREATE FUNCTION Base29Safe

/* Application Maintained Function / Procedure - DO NOT EDIT*/

(IN seed INTEGER,IN digits SMALLINT)
RETURNS CHAR(20)
BEGIN
    DECLARE rv CHAR(20);
    DECLARE m INTEGER;
    DECLARE sdigits CHAR(29);
    -- Where the code must be handled by humans, letters O and I can be
    -- confused with zero and one so these are left out
    -- By removing all vowels and also 1 & 0 from the available characters
    -- (except the padding) nothing that
    -- looks much like a word (rude or otherwise) should be generated
    SET sdigits='23456789BCDFGHJKLMNPQRSTVWXYZ';
    SET rv='';
    IF((digits > 20) OR(digits < 1)) THEN
        SET digits=20
    END IF;
    while seed > 0 loop
        SET m=MOD(seed,29);
        SET rv=substr(sdigits,m+1,1) || rv;
        SET seed=seed/29
    END loop;
    SET rv="right"(string('00000000000000000000',rv),digits);
    RETURN(rv)
END
}
```



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