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Pascal : STRING and CHAR concatenation

To concatenate using STRING types and CHAR types and not get a type mismatch error, use the routine below to create a STRING containing the CHARacters the user wishes to add to the STRING, then use the Pascal CONCAT to put them together. Make sure that if this is done within a PROCEDURE or FUNCTION, and the STRING is passed as a parameter, that the (*\$V-*) option is used as well as declaring a TYPE to pass rather than STRING.

```
TYPE STR_TO_PASS = STRING;

PROCEDURE WHATEVER (ST : STR_TO_PASS);
BEGIN
END;

here's the concat stuff ...

PROGRAM CONCAT_CHAR;

CONST LEN = 4;                { or whatever you want }

VAR TEST_STRING : STRING;
    CH : CHAR;
    I : INTEGER;

(*$R-*)           { turn Range Checking off so you can }
                  { alter individual cells of the string }

BEGIN
    TEST_STRING[0] := CHR(LEN); { set length of string }
    FOR I := 1 TO LEN DO
        BEGIN
            READ (CH);
            TEST_STRING[I] := CH;
        END;
    WRITELN;
    WRITELN (TEST_STRING);
END.
```

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