Subject: String array from C
Posted by Robbie on Thu, 05 Feb 2009 23:30:19 GMT

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I've had some problems dealing with string arrays which have been
generated from a C program.

If I try LONG(str) or FIX(str) I will find that there are extra
characters which get processed, yet I don't see them when I try PRINT
and HELP.
I can workaround the problem by using LONG(STRMID(0,str)) and FIX
(STRMID(0,str)).

Perhaps I have string processing mixed up. But, I thought that
IDL_StrEnsureLength took are of everything. I've changed my C code and
the problem has gone away, but I still don't understand why.

The original C code was:
```
char* v = PQgetvalue(Res,row,col);
int vl = strlen(v);
IDL_StrEnsureLength(&(pisArray[i]), vl);
strncpy(pisArray[i].s, v, vl);
```

The new C code is:
```
char* v = PQgetvalue(Res,row,col);
int vl = strlen(v);
IDL_StrEnsureLength(&(pisArray[i]), vl+1);
strncpy(pisArray[i].s, v, vl+1);
pisArray[i].slen = vl;
```

Thanks
Robbie