

PROC SQL Features: ANSI or SAS Enhancement?

Category	Enhancements	ANSI
Statements	VALIDATE	All others. Note: COMMIT, ROLLBACK, GRANT statements are not supported by PROC SQL.
Operators	CONTAINS (?), SOUNDS LIKE (=*), EQ, NE, GT, LT, GE, LE	=, ==, <>, !=, <=, >=, <, >, +, -, *, /, %, IN, LIKE, BETWEEN-AND, EXISTS, OR, AND, and keywords NOT, ANY and ALL
Functions	<p>Functions PROC SQL supports SAS functions not associated with arrays. Only functions listed to the right are ANSI. A few examples of PROC SQL supporting a SAS function instead of the ANSI equivalent:</p> <p>1. Character Variable Length: ANSI: CHARACTER_LENGTH(<i>column</i>), PROC SQL: LENGTH(<i>column</i>) [a SAS function]</p> <p>2. Trim leading/trailing/both blanks ANSI: BTRIM(<both,leading,trailing> “ ” FROM <i>string</i>) PROC SQL: STRIP(<i>column</i>) [trims both ends] TRIM(<i>column</i>) [trims trailing blanks] LEFT(<i>column</i>) [trims leading blanks]</p>	<p>Proc SQL supports the following ANSI standard functions:</p> <p>ABS, AVG, BTRIM, CEILING, COALESCE, COUNT, FLOOR, MAX, MIN, MOD, POWER, ROUND, SIGN, SQRT, SUBSTRING, SUM</p>
Modifiers	CALCULATED, FORMAT=, INFORMAT=, LABEL=, LENGTH=	ALL, CORR, DISTINCT, ESCAPE
Metadata	<p>DICTIONARY.<i>TableName</i></p> <p>Note: Similar metadata is available for DATA STEP processing as SASHELP views (for example, SASHELP.VTABLE contains the information in DICTIONARY.TABLES)</p>	INFORMATION_SCHEMA. <i>TableName</i>
Miscellaneous	<p>LIBNAME table qualifier (SELECT X from LIBNAME.TABLE_NAME)</p> <p>SCHEMA table qualifier (SELECT X from SCHEMA.TABLE_NAME),</p> <p>Column order reference (ORDER BY 2),</p> <p>'*' in the Count function (SELECT Count(*) from TABLE)</p> <p>'*' as a select wildcard (SELECT * from TABLE)</p>	<p>SCHEMA table qualifier (SELECT X from SCHEMA.TABLE_NAME),</p> <p>Column order reference (ORDER BY 2),</p> <p>'*' in the Count function (SELECT Count(*) from TABLE)</p> <p>'*' as a select wildcard (SELECT * from TABLE)</p>
PROC SQL Options	STIMER, ERRORSTOP, SORTSEQ=, NOEXEC, FEEDBACK	