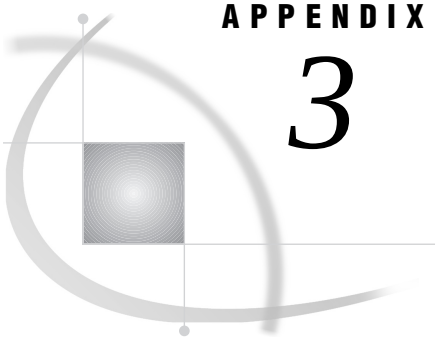

APPENDIX

3 Syntax for Selected SAS Functions Used with the %SYSFUNC Function

This appendix provides summary descriptions and syntax for selected SAS functions that can be used with the %SYSFUNC function. These functions are documented online.

Table A3.1 on page 289 shows the syntax for selected SAS functions that can be used with the %SYSFUNC function.

Table A3.1 Function Arguments for %SYSFUNC

Argument	Description and Syntax
ATTRC	returns the value of a character attribute for a SAS data set. **%SYSFUNC(ATTRC(data-set-id,attr-name))**
ATTRN	returns the value of a numeric attribute for specified SAS data set. **%SYSFUNC(ATTRN(data-set_id,attr-name))**
CEXIST	verifies the existence of a SAS catalog or SAS catalog entry. **%SYSFUNC(CEXIST(entry <, 'U'>))**
CLOSE	closes a SAS data set. **%SYSFUNC(CLOSE(data-set-id))**
CUROBS	returns the number of the current observation. **%SYSFUNC(CUROBS(data-set-id))**
DCLOSE	closes a directory. **%SYSFUNC(DCLOSE(directory-id))**
DINFO	returns a specified information item for a directory. **%SYSFUNC(DINFO(directory-id,info-items))**
DNUM	returns the number of members in a directory. **%SYSFUNC(DNUM(directory-id))**
DOPEN	opens a directory. **%SYSFUNC(DOPEN(fileref))**
DOPTNAME	returns a specified directory attribute. **%SYSFUNC(DOPTNAME(directory-id,nval))**
DOPTNUM	returns the number of information items available for a directory. **%SYSFUNC(DOPTNUM(directory-id))**
DREAD	returns the name of a directory member. **%SYSFUNC(DREAD(directory-id,nval))**
DROPNOTE	deletes a note marker from a SAS data set or an external file. **%SYSFUNC(DROPNOTE(data-set-id|file-id,note-id))**
DSNAME	returns the data set name associated with a data set identifier. **%SYSFUNC(DSNAME(<dsid>))**
EXIST	verifies the existence of a SAS data library member. **%SYSFUNC(EXIST(member-name<,member-type>))**

Argument	Description and Syntax
FAPPEND	appends a record to the end of an external file. **%SYSFUNC(FAPPEND(file-id<,cc>))**
FCLOSE	closes an external file, directory, or directory member. **%SYSFUNC(FCLOSE(file-id))**
FCOL	returns the current column position in the File Data Buffer (FDB) **%SYSFUNC(FCOL(file-id))**
FDELETE	deletes an external file. **%SYSFUNC(FDELETE(fileref))**
FETCH	reads the next nondeleted observation from a SAS data set into Data Set Data Vector (DDV). **%SYSFUNC(FETCH(data-set-id<,'NOSET'>))**
FETCHOBS	reads a specified observation from a SAS data set into the DDV. **%SYSFUNC(FETCHOBS(data-set-id,obs-number<,options>))**
FEXIST	verifies the existence of an external file associated with a fileref. **%SYSFUNC(FEXIST(fileref))**
FGET	copies data from the FDB. **%SYSFUNC(FGET(file-id,cval<,length>))**
FILEEXIST	verifies the existence of an external file by its physical name. **%SYSFUNC(FILEEXIST(file-name))**
FILENAME	assigns or deassigns a fileref for an external file, directory, or output device. **%SYSFUNC(FILENAME(fileref,filename<,device<,hostoptions<,dir-ref>>>))**
FILEREF	verifies that a fileref has been assigned for the current SAS session. **%SYSFUNC(FILEREF(fileref))**
FINFO	returns a specified information item for a file. **%SYSFUNC(FINFO(file-id,info-item))**
FNOTE	identifies the last record that was read. **%SYSFUNC(FNOTE(file-id))**
FOPEN	opens an external file. **%SYSFUNC(FOPEN(fileref<,open-mode<,record-length<,record-format>>>))**
FOPTNAME	returns the name of an information item for an external file. **%SYSFUNC(FOPTNAME(file-id,nval))**
FOPTNUM	returns the number of information items available for an external file. **%SYSFUNC(FOPTNUM(file-id))**
FPOINT	positions the read pointer on the next record to be read. **%SYSFUNC(FPOINT(file-id,note-id))**
FPOS	sets the position of the column pointer in the FDB. **%SYSFUNC(FPOS(file-id,nval))**
FPUT	moves data to the FDB of an external file starting at the current column position. **%SYSFUNC(FPUT(file-id,cval))**
FREAD	reads a record from an external file into the FDB. **%SYSFUNC(FREAD(file-id))**
FREWIND	positions the file pointer at the first record. **%SYSFUNC(FREWIND(file-id))**
FRLEN	returns the size of the last record read, or the current record size for a file opened for output. **%SYSFUNC(FRLEN(file-id))**
FSEP	sets the token delimiters for the FGET function. **%SYSFUNC(FSEP(file-id,cval))**

Argument	Description and Syntax
FWRITE	writes a record to an external file. **%SYSFUNC(FWRITE(file-id<,cc>))**
GETOPTION	returns the value of a SAS system or graphics option. **%SYSFUNC(GETOPTION(option-name<,reporting-options<,...>>))**
GETVARC	assigns the value of a SAS data set variable to a character DATA step or macro variable. **%SYSFUNC(GETVARC(data-set-id,var-num))**
GETVARN	assigns the value of a SAS data set variable to a numeric DATA step or macro variable. **%SYSFUNC(GETVARN(data-set-id,var-num))**
LIBNAME	assigns or deassigns a libref for a SAS data library. **%SYSFUNC(LIBNAME(libref<,SAS-data-library<,engine<,options>>>))**
LIBREF	verifies that a libref has been assigned. **%SYSFUNC(LIBREF(libref))**
MOPEN	opens a directory member file. **%SYSFUNC(MOPEN(directory-id,member-name<open-mode<,record-length<,record-format>>>))**
NOTE	returns an observation ID for current observation of a SAS data set. **%SYSFUNC(NOTE(data-set-id))**
OPEN	opens a SAS data file. **%SYSFUNC(OPEN(<data-file-name<,mode>>))**
PATHNAME	returns the physical name of a SAS data library or an external file. **%SYSFUNC(PATHNAME(fileref))**
POINT	locates an observation identified by the NOTE function. **%SYSFUNC(POINT(data-set-id,note-id))**
REWIND	positions the data set pointer to beginning of a SAS data set. **%SYSFUNC(REWIND(data-set-id))**
SPEDIS	returns a number for the operation required to change an incorrect keyword in a WHERE clause to a correct keyword. **%SYSFUNC(SPEDIS(query,keyword))**
SYSGET	returns the value of the specified host environment variable. **%SYSFUNC(sysget(host-variable))**
SYSMSG	returns the error or warning message produced by the last function that attempted to access a data set or external file. **%SYSFUNC(SYSMSG())**
SYSRC	returns the system error number or exit status of the entry most recently called. **%SYSFUNC(SYSRC())**
VARFMT	returns the format assigned to a data set variable. **%SYSFUNC(VARFMT(data-set-id,var-num))**
VARINFMT	returns the informat assigned to a data set variable. **%SYSFUNC(VARINFMT(data-set-id,var-num))**
VARLABEL	returns the label assigned to a data set variable. **%SYSFUNC(VARLABEL(data-set-id,var-num))**
VARLEN	returns the length of a data set variable. **%SYSFUNC(VARLEN(datasetid,var-num))**
VARNAME	returns the name of a data set variable. **%SYSFUNC(VARNAME(data-set-id,var-num))**

Argument	Description and Syntax
VARNUM	returns the number of a data set variable. **%SYSFUNC(VARNUM(data-set-id,var-name))**
VARTYPE	returns the data type of a data set variable. **%SYSFUNC(VARTYPE(data-set-id,var-num))**

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