"IBM continues to build the past, Microsoft tries to hold us in present, and Oracle continues to drive us into the future..."
Rich Niemiec,
president of the International Oracle Users Group (IOUG)

ORACLE

SQL * Plus

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אפשרויות נפוצות של SQL *Plus

Entering and Executing Commands

/ (slash)

Executes the SQL command currently stored in the SQL buffer. Does not list the command.

R[UN]

Lists and executes the SQL command currently stored in the SQL buffer.

HELP [*topic*]

Accesses help on SQL*Plus commands. Use the following command to execute host operating system commands.

Manipulating SQL and SQL*Plus Commands

A[PPEND] *text*

Adds specified text to the end of the current line in the SQL buffer. To separate *text* from the preceding characters with a space, enter two spaces between APPEND and *text*. To append *text* that ends with a semicolon, end the command with two semicolons (SQL*Plus interprets a single semicolon as a command terminator).

C[HANGE] *sepchar old* [*sepchar* [*new* [*sepchar*]]]

Changes text on the current line in the SQL buffer. You can use any non-alphanumeric character such as "/" or "!" as a *sepchar*. You can omit the space between CHANGE and the first *sepchar*.

אפשרויות נפוצות של SQL *Plus (המשך...)

DEL [*n*|*n m*|*n* *|*n* LAST|*|* *n*|* LAST|LAST]

Deletes one or more lines of the buffer ("*" indicates the current line). You can omit the space between DEL and *n* or *, but not between DEL and LAST. Enter DEL with no clauses to delete the current line of the buffer.

I[NPUT] [*text*]

Adds one or more new lines of text after the current line in the buffer.

L[IST] [*n*|*n m*|*n* *|*n* LAST|*|* *n*|* LAST|LAST]

Lists one or more lines of the buffer ("*" indicates the current line). You can omit the space between LIST and *n* or *, but not between LIST and LAST. Enter LIST with no clauses to list all lines.

Creating and modifying command files

@ *file_name*[*.ext*] [*arg* ...]

Runs the specified command file. Specified arguments are substituted for &1, &2, and so on.

@@ *file_name*[*.ext*]

Runs the specified nested command file.

ED[IT] [*file_name*[*.ext*]]

Invokes a host operating system text editor on the contents of the specified file or on the contents of the SQL buffer. To edit the buffer contents, omit the file name.

אפשרויות נפוצות של SQL *Plus (המשך...)

REM[ARK]

Begins a comment in a command file. The REMARK command must appear at the beginning of a line, and the comment ends at the end of the line (a line cannot contain both a comment and a command). SQL*Plus does not interpret the comment as a command.

SAV[E] *file_name*[*.ext*] **[CRE[ATE]|REP[LACE]|APP[END]]**

Saves the contents of the buffer into a host operating system file (a command file).

STORE SET *file_name*[*.ext*] **[CRE[ATE]|REP[LACE]|APP[END]]**

Saves the attributes of the current SQL*Plus environment in a host operating system file (a command file).

STA[RT] *file_name*[*.ext*] **[*arg* ...]**

Executes the contents of the specified command file. Specified arguments are substituted for &1, &2, and so on.

&*n*

Specifies a parameter in a command file you run using the START command. START substitutes values you list after the command file name as follows: the first for &1, the second for &2, and so on.

אפשרויות נפוצות של SQL *Plus (המשך...)

Formatting Query Results

BRE[AK] [ON *report_element* [*action* [*action*]]] ...

Specifies where and how formatting will change in a report (for example, skipping a line each time a given column value changes). Enter BREAK with no clauses to list the current BREAK definition. Where *report_element* has the following syntax:

{*column*|*expr*|ROW|REPORT}

and where *action* has the following syntax:

[SKI[P] *n*|[SKI[P]] PAGE] [NODUP[LICATES]|DUP[LICATES]]

BTI[TLE] [*printspec* [*text*| *variable*] ...]|[ON|OFF]

Places and formats the specified title at the bottom of each report page, or lists the current BTITLE definition. See TITLE for additional information on valid *printspec* clauses.

CL[EAR] *option* ...

Resets or erases the current value or setting for the specified option; *option* represents one of the following clauses:

BRE[AKS]	BUFF[ER]	COL[UMNS]	COMP[UTES]	SCR[EEN]
SQL	TIMI[NG]			

אפשרויות נפוצות של SQL *Plus (המשך...)

SPO[OL] [filename[.ext]|OFF|OUT]

Stores query results in an operating system file and, optionally, sends the file to a printer. OFF stops spooling. OUT stops spooling and sends the file to your host computer's standard (default) printer. Enter SPOOL with no clauses to list the current spooling status. If no file extension is given, the default extension, .lst or .lis, is used

COL[UMN] [{column|expr} [option ...]]

Specifies the display attributes for a given column, such as text for the column heading, or formats for CHAR, VARCHAR2, LONG, CLOB and NUMBER data; option represents one of the following clauses:

ALI[AS] alias   CLE[AR]   ENTMAP {ON|OFF}

FFOLD_A[FTER]   FOLD_B[EFORE]   FOR[MAT] format   HEA[DING] text

JUS[TIFY] {L[EFT]|C[ENTER]|C[ENTRE]|R[IGHT]]}

LIKE {expr|alias}

NEWL[INE]   NEW_V[ALUE] variable

NOPRI[NT]|PRI[NT]

NUL[L] text   OLD_V[ALUE] variable

ON|OFF

WRA[PPED]|WOR[D_WRAPPED]|TRU[NCATED]

אפשרויות נפוצות של SQL *Plus (המשך...)

Enter COLUMN followed by *column* or *expr* and no other clauses to list the current display attributes for only the specified column or expression. Enter COLUMN with no clauses to list all current column display attributes.

Enter COLUMN [{*column* | *expr*} FORMAT *format*] where the *format* element specifies the display format for the column.

To change the display format of a NUMBER column, use FORMAT followed by one of the elements in the following table:

Element	Example	Description
9	9999	Number of "9"s specifies number of significant digits returned. Blanks are displayed for leading zeroes. A zero (0) is displayed for a value of zero.
0	0999 9990	Displays a leading zero or a value of zero in this position as a 0.
$	$9999	Prefixes value with dollar sign.
S	S9999	Returns "+" for positive values and "-" for negative values in this position.
L	L999	Displays the local currency symbol in this Position.
, (comma)	9,999	Displays a comma in this position.
. (period)	99.99	Displays a period (decimal point) in this position, separating the integral and fractional parts of a Number.
RN	RN	Displays upper- or lowercase Roman numerals. Value can be an integer between 1 and 3999.

אפשרויות נפוצות של SQL *Plus (המשך...)

COMP[UTE] [*function* [LAB[EL] *text*] ...

OF {*expr*|*column*|*alias*} ...

ON {*expr*|*column*|*alias*|REPORT|ROW} ...]

Calculates and prints summary lines, using various standard computations, on subsets of selected rows, or lists all COMPUTE definitions. The following table lists valid functions. All functions except NUMBER apply to non-null values only. COMPUTE functions are always executed in the following sequence AVG, COUNT, MINIMUM, MAXIMUM, NUMBER, SUM, STD, VARIANCE.

Function	Computes	Applies to Data Types
AVG	Average of non-null values	**NUMBER**
CO[UNT]	Count of non-null values	All types
MIN[IMUM]	Minimum value	**NUMBER, CHAR, VARCHAR2**
MAX[IMUM]	Maximum value	**NUMBER, CHAR, VARCHAR2**
NUM[BER]	Count of rows	All types
SUM	Sum of non-null values	**NUMBER**
STD	Standard deviation of non-null values	**NUMBER**
VAR[IANCE]	Variance of non-null values	**NUMBER**

אפשרויות נפוצות של SQL *Plus (המשך...)

SPO[OL] [*filename*[*.ext*]|OFF|OUT]

Stores query results in an operating system file and, optionally, sends the file to a printer. OFF stops spooling. OUT stops spooling and sends the file to your host computer's standard (default) printer. Enter SPOOL with no clauses to list the current spooling status. If no file extension is given, the default extension, *.lst* or *.lis*, is used

TTI[TLE] [*printspec* [*text*|*variable*] ...]|[ON|OFF]

Places and formats a specified title at the top of each report page, or lists the current TTITLE definition. Use one of the following clauses in place of *printspec*:

COL *n*   S[KIP] [*n*]   TAB *n*

LE[FT]   CE[NTER]   R[IGHT]

BOLD   FORMAT *text*

Accessing Databases

CONN[ECT] [[*logon*] [AS {SYSOPER|SYSDBA}]]

where *logon* requires the following syntax: *username*[/*password*]. Connects a given username to Oracle. If you omit *username* and/or *password*, SQL*Plus prompts you for them.

DISC[ONNECT]

Commits pending changes to the database and logs the current username off Oracle, but does not exit SQL*Plus.

אפשרויות נפוצות של SQL *Plus (המשך...)

QUIT [COMMIT|ROLLBACK]

Commits all pending changes, terminates SQL*Plus, and returns control to the operating system.

Miscellaneous

DESC[RIBE] object

Lists the column definitions for the specified table, view or synonym or the specifications for the specified function or procedure.

SET system_variable value

Sets a system variable to alter the SQL*Plus environment for your current session, such as setting the display width for NUMBER data or the number of lines per page. Enter a system variable followed by a value as shown below:

COLSEP {_|text}

ECHO {ON|OFF}

HEADS[EP] {||c|ON|OFF}

INSTANCE [instance_path|LOCAL]

LIN[ESIZE] {80|n}

NEWP[AGE] {1|n|NONE}

NULL text

אפשרויות נפוצות של SQL *Plus (המשך...)

NUMF[ORMAT] *format*

NUM[WIDTH] {10|*n*}

PAGES[IZE] {24|*n*}

PAU[SE] {ON|OFF|*text*}

SHOW[MODE] {ON|OFF}

SQLBL[ANKLINES] {ON|OFF}

SQLC[ASE] {MIX[ED]|LO[WER]|UP[PER]}

SQLP[ROMPT] {SQL>|*text*}

SQLT[ERMINATOR] {;|*c*|ON|OFF}

TAB {ON|OFF}

TERM[OUT] {ON|OFF}

WRA[P] {ON|OFF}

אפשרויות נפוצות של SQL *Plus (המשך...)

SHO[W] [*option*]

Lists the value of a SQL*Plus system variable. Enter any system variable set by the SET command in place of *system_variable*. Use one of the following terms or clauses in place of *option*:

system_variable

ALL

BTI[TLE]

LNO

PARAMETERS [*parameter_name*]

PNO

REL[EASE]

REPF[OOTER]

REPH[EADER]

SGA

SPOO[L]

SQLCODE

TTI[TLE]

USER