

KORN SHELL 93 - TYPESET COMMAND

Mt Xia publishes information on a variety of topics such as Business Continuity, Disaster Recovery, High Availability, AIX, and Shell Programming.

Mt Xia Inc.
113 East Rich
Norman, OK 73069

Dana French, President
dfrench@mtxia.com
615.556.0456

typeset set attributes and values of variables. used inside function, makes a variable local to the function.
typeset -A <i>variableName</i> initializes an associative array variable named " <i>variableName</i> ".
typeset -A displays a list of all associative array variables defined in the current shell, with the associative array index and value of the last element of each array.
typeset +A displays a list of all associative array variable names defined in the current shell.
typeset -E[n] <i>variableName</i> initializes a floating point scientific notation variable called " <i>variableName</i> ". <i>n</i> is the number of significant digits.
typeset -E[n] <i>variableName=floatValue</i> initializes a floating point scientific notation variable called " <i>variableName</i> " and assigns it a value of " <i>floatValue</i> ". <i>n</i> is the number of significant digits.
typeset -E displays a list of all variables defined as floating point scientific notation type, and their associated value.
typeset +E displays a list of all variable names defined as floating point scientific notation type.

typeset +E <i>variableName</i> remove the floating point scientific notation type from " <i>variableName</i> ". does not alter assigned value.
typeset -F[n] <i>variableName</i> initializes a floating point variable called " <i>variableName</i> ". <i>n</i> is the number of decimal places.
typeset -F[n] <i>variableName=floatValue</i> initializes a floating point variable called " <i>variableName</i> " and assigns it a value of " <i>floatValue</i> ". <i>n</i> is the number of decimal places.
typeset -F displays a list of all variables defined as floating point type, and their associated value.
typeset +F displays a list of all variable names defined as floating point type.
typeset +F <i>variableName</i> remove the floating point type from " <i>variableName</i> ". does not alter assigned value.
typeset -H UNIX to host file name mapping on non-UNIX systems.
typeset -i[n] <i>variableName</i> initializes an integer variable called " <i>variableName</i> ". <i>n</i> is the output base (default: 10).
typeset -i[n] <i>variableName=integerValue</i> initializes an integer variable called " <i>variableName</i> " and assigns it a value of <i>integerValue</i> . <i>n</i> is the output base (default: 10).
typeset -i displays a list of all variables defined as integer type, and their associated value.
typeset +i displays a list of all variable names defined as integer type.
typeset +i <i>variableName</i> remove the integer type from " <i>variableName</i> ". does not alter assigned value.

typeset -l <i>variableName</i> initializes a lowercase only variable called " <i>variableName</i> ". converts upper case characters to lower case upon assignment.
typeset -l <i>variableName=characterString</i> initializes a lowercase only variable called " <i>variableName</i> " and assigns it a value of " <i>characterString</i> " converting upper case characters to lower case.
typeset -l displays a list of all variables defined as lowercase type, and their associated value.
typeset +l displays a list of all variable names defined as lowercase type.
typeset +l <i>variableName</i> remove the lowercase only type from " <i>variableName</i> ". does not alter assigned value.
typeset -L[n] <i>variableName</i> initializes a left justified type variable called " <i>variableName</i> ". <i>n</i> is width (in characters) of the left justified value.
typeset -L[n] <i>variableName=stringValue</i> initializes a left justified type variable called " <i>variableName</i> " and assigns it a value of " <i>stringValue</i> ". <i>n</i> is the width (in characters) of the left justified value. If the number of characters in " <i>stringValue</i> " is more than <i>n</i> , then " <i>stringValue</i> " is truncated to <i>n</i> characters.
typeset -L displays a list of all variables defined as left justified type, and the value associated with each.
typeset +L displays a list of all variable names defined as left justified type.
typeset +L <i>variableName</i> remove the left justified type from " <i>variableName</i> ". does not alter assigned value.

typeset -n <i>variableName=variableNameReference</i> initializes a named reference to a variable called " <i>variableName</i> ". similar to assigning pointers.
typeset -n displays a list of all variables defined as left justified type, and their associated value.
typeset +n displays a list of all variable names defined as name reference type.
typeset +n <i>variableName</i> remove the name reference type from " <i>variableName</i> ". does not alter assigned value.
typeset -p display all typeset commands to recreate current variables.
typeset -r <i>variableName=stringValue</i> initialize a read-only variable called " <i>variableName</i> " and assign it a value of " <i>stringValue</i> ". value must be assigned at the same time the variable is initialized.
typeset -r displays a list of all variables defined as read only type, and their associated value.
typeset +r displays a list of all variable names defined as read only type.
typeset -R[n] <i>variableName</i> initializes a right justified type variable called " <i>variableName</i> ". <i>n</i> is width (in characters) of the right justified value.
typeset -R[n] <i>variableName=stringValue</i> initializes a right justified type variable called " <i>variableName</i> " and assigns it a value of " <i>stringValue</i> ". <i>n</i> is the width (in characters) of the right justified value. If the number of characters in " <i>stringValue</i> " is more than <i>n</i> , then " <i>stringValue</i> " is truncated to <i>n</i> characters.
typeset -R displays a list of all variables defined as right justified type, and their associated value.

typeset +R displays a list of all variable names defined as right justified type.
typeset +R <i>variableName</i> remove the right justified type from " <i>variableName</i> ". does not alter assigned value.
typeset -u <i>variableName</i> initializes a uppercase only variable called " <i>variableName</i> ". converts lower case characters to upper case upon assignment.
typeset -u <i>variableName=characterString</i> initializes a uppercase only variable called " <i>variableName</i> " and assigns it a value of " <i>characterString</i> " converting lower case characters to upper case.
typeset -u displays a list of all variables defined as uppercase type, and the value associated with each.
typeset +u displays a list of all variable names defined as uppercase type.
typeset +u <i>variableName</i> remove the uppercase only type from " <i>variableName</i> ". does not alter assigned value.
typeset -ui[n] <i>variableName</i> initializes an unsigned integer variable called " <i>variableName</i> ". <i>n</i> is the output base (default: 10).
typeset -ui[n] <i>variableName=integerValue</i> initializes an unsigned integer variable called " <i>variableName</i> " and assigns it a value of <i>integerValue</i> . <i>n</i> is the output base (default: 10).
typeset -ui displays a list of all variables defined as unsigned integer type, and the value associated with each.
typeset +ui displays a list of all variable names defined as unsigned integer type.
typeset +ui <i>variableName</i> remove the unsigned integer type from " <i>variableName</i> ". does not alter assigned value.

typeset -x <i>variableName</i> exports " <i>variableName</i> " to subshells and subprograms.
typeset -x <i>variableName=characterString</i> assigns the value " <i>characterString</i> " to the variable " <i>variableName</i> " and exports it to subshells and subprograms.
typeset -x displays a list of all exported variables, and their associated value.
typeset +x displays a list of all exported variable names.
typeset +x <i>variableName</i> unexport the variable " <i>variableName</i> " from the current shell environment. does not alter assigned value.
typeset -Z[n] <i>variableName</i> initializes a zero filled, right justified type variable called " <i>variableName</i> ". <i>n</i> is width (in characters) of the right justified, zero filled value. Any value assigned to " <i>variableName</i> " will be zero filled, then right justified.
typeset -Z[n] <i>variableName=integerValue</i> initializes a right justified, zero filled type variable called " <i>variableName</i> " and assigns it a value of " <i>integerValue</i> ". <i>n</i> is the width (in characters) of the right justified, zero filled value. If the number of characters in " <i>integerValue</i> " is less than <i>n</i> , then zero's are prefixed onto " <i>integerValue</i> " until it is <i>n</i> characters in length.
typeset -Z displays a list of all variables defined as right justified, zero filled type, and the value associated with each.
typeset +Z displays a list of all variable names defined as right justified, zero filled type.
typeset +Z <i>variableName</i> remove the right justified, zero filled type from " <i>variableName</i> ". does not alter assigned value.