

### Create / delete array

declare -a ARRAYNAME	-a for array
declare -A DICTNAME	-A for dict
ARRAY=(value1 value2 ... valueN)	
DICT=( [mark]=79 [john]=93 [ella]=87 [mila]=83 )	
ARRAY[INDEXNR]=value	directly set. no other value display
read -a ARRAY	read from user input
unset ARRAY[1]	delete only 1 element
unset ARRAY	delete whole array
ARRAY+=(4)	append
ARRAY=( \$(ls) )	put <b>ls</b> output into array

### get value

\${!ARRAY[*]}	<b>index array</b> of element
\${!DICT[*]}	<b>key array</b> of elements
\${ARRAY[*]}	get all elements, split by <b>IFS</b>
\${ARRAY[@]}	get all elements, split by <b>space</b>
\${ARRAY[2]}	get third element
\${#ARRAY[subscript]}	get <b>length</b> of ARRAY[subscript]
\${#ARRAY[@]}	get <b>length</b> of ARRAY
\${ARRAY[@]:s:n}	Retrieve <b>n</b> elements starting at index <b>s</b>



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