

### 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 **ls** output into array

### get value

\${!ARRAY[\*]}              **index array** of element

\${!DICT[\*]}                **key array** of elements

\${ARRAY[\*]}                get all elements, split by **IFS**

\${ARRAY[@]}                get all elements, split by **space**

\${ARRAY[2]}                get third element

\${#ARRAY[subscript]}      get **length** of ARRAY[subscript]

\${#ARRAY[@]}                get **length** of ARRAY

\${ARRAY[@]:s:n}            Retrieve **n** elements starting at index **s**



By **wenliang** (wenliang)  
[cheatography.com/wenliang/](http://cheatography.com/wenliang/)  
[wenliang.net](http://wenliang.net)

Not published yet.  
Last updated 7th August, 2019.  
Page 1 of 1.

Sponsored by **CrosswordCheats.com**  
Learn to solve cryptic crosswords!  
<http://crosswordcheats.com>