Cheatography

Bash parameter expansion Cheat Sheet by Jens Preußner (Jenzopr) via cheatography.com/18621/cs/2387/

	Basic parameter usage		Search and I	Replace
	FRUIT="kiwi" FRUITS=(oranges apples bananas) echo "Today we offer \$FRUITs. Maybe you like some \${FRUIT}s? We also have \${FRUITS[*]}."		\${VAR/P/R}	Replace occurer
			\${VAR//P/R }	Replace occurer
			A	"Dynam
	Today we offer . Maybe you like some kiwis? We also have oranges apples bananas.		\${A/mos/mit e}	"Dynam
	Parameter indirection kiwi=5 fruit="kiwi" echo "A \${fruit} costs \${!fruit} coins."		В	"XXX"
			\${B/#X/Y}	"YXX"
			\${B/%X/Y}	"XXY"
1	A kiwi costs 5 coins.	String and a		rry lengt
			\${#PARAM}	length
	Case modification		\${#ARR[1]}	length
	boy="john"		\${#ARR[@]}	numbe

boy="john" girl="mARY"

echo "The boys name is \${boy}, properly written as \${boy^}. The girl is \${girl,,}, but I prefer \${girl~~}."

The boys name is john, properly written as John. The girl is mary, but I prefer Mary.

Substring removal					
\${VAR#P}	Remove pattern P from start				
\${VAR%P}	Remove pattern P from end				
FILE	text_file.txt				
\${FILE%.*}	text_file				
\${FILE##.*}	txt				
DIR	/a/b/c.txt				
\${DIR%/*}	/a/b				
\${DIR##*/}	c.txt				

When working on arrays, expansion will handle each element separately.



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cheatography.com/jenzopr/

\${VAR/P/R}	Replace pattern P with R (1st occurence)	
\${VAR//P/R }	Replace pattern P with R (all occurences)	
А	"Dynamos can explode"	
\${A/mos/mit e}	"Dynamite can explode"	
В	"XXX"	
\${B/#X/Y}	X/Y} "YXX"	
\${B/%X/Y}	"XXY"	
String and ar	ry length	
\${#PARAM}	length of \$PARAM	
\${#ARR[1]}	length of 2 nd element in \$ARR	
\${#ARR[@]}	number of elements in \$ARR	
Caution: The	number of elements in \$ARR number of elements in an array at its highest index!	
Caution: The	number of elements in an array	

Substrings	
Т	A day without sunshine is like, you know, night.
\${T:OFS}	OFS is the position to start
\${T:32}	you know, night.
\${T:(-6)}	night.
\${T:OFS:L}	L is an optional length
\${T:14:9}	sunshine
\${T:(-6):5}	night
ARR	(This is a text)
\${ARR[0]:2: 2}	is
\${array[@]: 1:2}	is a

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Default values