# Cheatography

## Bash\_test\_expressions Cheat Sheet by andrsrz via cheatography.com/69588/cs/17623/

File Expressions		File Expressions (cont)			
file1 - <b>ef</b> file2	file1 and file2 have the same inode numbers (the two filenames refer to the same file by hard linking).	<b>-t</b> fd			
file1 - nt file2	file1 is newer than file2.	<b>-u</b> file			
file1 - ot file2	file1 is older than file2.	-wfile exists and is writable (has write permission for the effectivefileuser).			
-b file	file exists and is a block-special (device) file.	-x			
-c file	file exists and is a character-special (device) file.	file effective user).			
-d file	file exists and is a directory.	Log	Logical Expressions		
-e file	file exists.	AND			-a
-f file	file exists and is a regular file.	OR			-0
-g file	file exists and is set-group-ID.	NOT			!
-G file	file exists and is owned by the effective group ID.	_			
-k file	file exists and has its "sticky bit" set.	Inte	Integer Expressions		
-L file	file exists and is a symbolic link.	inte	ger1 <b>-eq</b> integer2	integer1 is equal to	o integer2.
-O file	file exists and is owned by the effective user ID.	inte	ger1 <b>-ne</b> integer2	integer1 is not equ	al to integer2.
-p file	file exists and is a named pipe.	inte	ger1 <b>-le</b> integer2	integer1 is less that	an or equal to integer2.
-r file	file exists and is readable (has readable permission for the effective user).		ger1 -It integer2	integer1 is less that	
-s file	file exists and has a length greater than zero.		ger1 <b>-ge</b> integer2 ger1 <b>-gt</b> integer2	integer1 is greater than or equal to integer2. integer1 is greater than integer2.	
<b>-S</b> file	file exists and is a network socket.		yerr <b>-gr</b> miegel2	integer i is greater	unan miteyerz

### By andrsrz

cheatography.com/andrsrz/

Published 24th October, 2018. Last updated 25th October, 2018. Page 1 of 2. Sponsored by **Readability-Score.com** Measure your website readability! https://readability-score.com

## Cheatography

### Bash\_test\_expressions Cheat Sheet by andrsrz via cheatography.com/69588/cs/17623/

String Expressions					
string	string is not null.				
-n string	The length of string is greater than zero.				
-z string	The length of string is zero.				
string1 = string2 string1 == string2	string1 and string2 are equal.				
string1 != string2	string1 and string2 are not equal.				
string1 > string2	string1 sorts after string2.				
string1 < string2	string1 sorts before string2.				

#### Modern Version of test

Instead of using [ *expression* ] is going to be [[*expression* ]] and one designed for integers is (( *expression* )).

With [[ *expression* ]] we can have an expression matching a regular expression:

string =~ regex.

For the integers in this way we can use the conventional way of other programming languages expressions like:

int == 0. int < 0. int > 0. int % 0. And of course the logical operators, instead of using the older options of test we can use: && for and. || for or. ! for not.

C

#### By andrsrz

cheatography.com/andrsrz/

Published 24th October, 2018. Last updated 25th October, 2018. Page 2 of 2. Sponsored by **Readability-Score.com** Measure your website readability! https://readability-score.com