Operator Examples

Operator Example	Finds Pages Containing
sailboat chesapeake bay	the words **sailboat**, **Chesapeake** and **Bay**
*sloop **OR** yawl*	either the word **sloop** or the word **yawl**
"To each his own"	the exact phrase **to each his own**
virus -computer	the word **virus** but NOT the word **computer**
Star Wars Episode +III	This movie title, including the roman numeral III
~boat loan	loan info for both the word **boat** and its synonyms: **canoe**, **ferry**, etc.
***define:**sarcastic*	definitions of the word **sarcastic** from the Web
mac * x	the words **Mac** and **X** separated by exactly one word
I'm Feeling Lucky *(Google link)*	Takes you directly to first web page returned for your query

Search Parameters

Search Parameters	Value	Description of Use in Google Search URLs
q	the search term	The search term
filter	0 or 1	If **filter** is set to 0, show potentially duplicate results.
as_epq	a search phrase	The value submitted is as an exact phrase. No need to surround with quotes.
as_ft	i = include e = exclude	The file type indicated by **as_filetype** is included or excluded in the search.
as_filetype	a file extension	The file type is included or excluded in the search indicated by **as_ft**.
as_occt	any = anywhere title = page title body = text of page url = in the page URL links = in links to the page	Find the search term in the specified location.
as_dt	i = include e = exclude	The site or domain indicated by **as_sitesearch** is included or excluded in the search.
as_sitesearch	site or domain	The file type is included or excluded in the search indicated by **as_dt** .
as_qdr	m3 = three months m6 = six months y = past year	Locate pages updated with in the specified time frame.

SANS

Google Hacking and Defense Cheat Sheet

POCKET REFERENCE GUIDE

SANS Stay Sharp Program

http://www.sans.org

http://www.sans.org/staysharp

Purpose

This document aims to be a quick reference outlining all Google operators, their meaning, and examples of their usage.

What to use this sheet for

Use this sheet as a handy reference that outlines the various Google searches that you can perform. It is meant to support you throughout the Google Hacking and Defense course and can be used as a quick reference guide and refresher on all Google advanced operators used in this course. The student could also use this sheet as guidance in building innovative operator combinations and new search techniques.

This sheet is split into these sections:

- Operator Examples
- Advanced Operators
- Number Searching
- Calculator Operators
- Search Parameters

References:

http://www.google.com/intl/en/help/refinesearch.html
http://johnny.ihackstuff.com
http://www.google.com/intl/en/help/cheatsheet.html

Advanced Operators

Advanced Operators	Meaning	What To Type Into Search Box *(& Description of Results)*
site:	Search only one website	**conference site:www.sans.org** *(Search SANS site for conference info)*
[#]...[#] or numrange:	Search within a range of numbers	**plasma television $1000...1500** *(Search for plasma televisions between $1000 and $1500)*
date:	Search only a range of months	**hockey date: 3** *(Search for hockey references within past 3 months; 6 and 12-month date-restrict options also available)*
safesearch:	Exclude adult-content	**safesearch: sex education** *(Search for sex education material without returning adult sites)*
link:	linked pages	**link:www.sans.org** *(Find pages that link to the SANS website)*
info:	Info about a page	**info:www.sans.org** *(Find information about the SANS website)*
related:	Related pages	**related:www.stanford.edu** *(Find websites related to the Stanford website)*
intitle:	Searches for strings in the title of the page	**intitle:conference** *(Find pages with "conference" in the page title)*
allintitle:	Searches for all strings within the page title	**allintitle:conference SANS** *(Find pages with "conference" and "SANS" in the page title. Doesn't combine well with other operators)*
inurl:	Searches for strings in the URL	**inurl:conference** *(Find pages with the string "conference" in the URL)*
allinurl:	Searches for all strings within the URL	**allinurl:conference SANS** *(Find pages with "conference" and "SANS" in the URL. Doesn't combine well with other operators)*
filetype: or **ext:**	Searches for files with that file extension	**filetype:ppt** *(Find files with the "ppt" file extension. ".ppt" are MS PowerPoint files.)*
cache:	Display the Google cache of the page	**cache:www.sans.org** *(Show the cached version of the page without performing the search)*
phonebook: or **rphonebook:** or **bphonebook**	Display all, residential, business phone listings	**phonebook:Rick Smith MD** *(Find all phone book listing for Rick Smith in Maryland. Cannot combine with other searches)*
author:	Searches for the author of a newsgroup post	**author:Rick** *(Find all newsgroup postings with "Rick" in the author name or email address. Must be used with a Google Group search)*
insubject:	Search only in the subject of a newsgroup post	**insubject:Mac OS X** *(Find all newsgroup postings with "Mac OS X" in the subject of the post. Must be used with a Google Group search)*
define:	Various definitions of the word or phrase	**define:sarcastic** *(Get the definition of the word sarcastic)*
stock:	Get information on a stock abbreviation	**stock:AAPL** *(Get the stock information for Apple Computer, Inc.)*

Number Searching

Number Searching	Description
1Z9999W99999999999	**UPS tracking numbers**
999999999999	**FedEx tracking numbers**
9999 9999 9999 9999 9999 99	**USPS tracking numbers**
AAAAA999A9AA99999	**Vehicle Identification Numbers (VIN)**
305214274002	**UPC codes**
202	**Telephone area codes**
patent 5123123	**Patent numbers** *(Remember to put the word "patent" before your patent number)*
n199ua	**FAA airplane registration numbers** *(An airplane's FAA registration number is typically printed on its tail)*
fcc B4Z-34009-PIR	**FCC equipment IDs** *(Remember to put the word "fcc" before the equipment ID)*

Calculator Operators

Operators	Meaning	Type Into Search Box
+	addition	**45 + 39**
-	subtraction	**45 – 39**
*	multiplication	**45 * 39**
/	division	**45 / 39**
% of	percentage of	**45% of 39**
^	raise to a power	**2^5** (2 to the 5th power)