

Up next...



Regular
expressions

Please visit this URL:

<http://bit.ly/allwords>

And download the file as “words.txt” to
your Desktop

This is a file containing every valid Scrabble word!

Regular expression

A pattern used to find matches in text

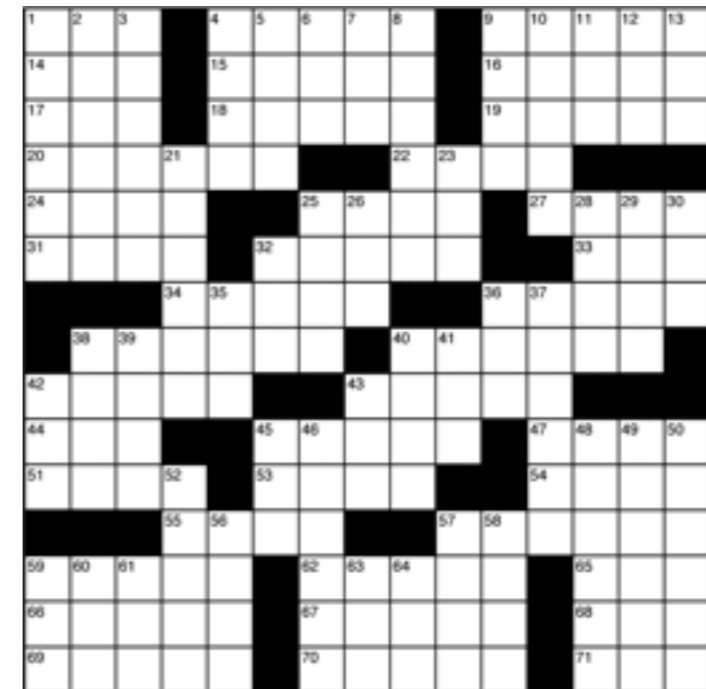


Regular expression

A pattern used to find matches in text

Great for

- Finding things
- Replacing things
- cheating at crosswords
- Lots more!



Commands recap

<code>cd</code>	change directory
<code>less</code>	show file contents

Commands recap

<code>cd</code>	change directory
<code>less</code>	show file contents
<code>wc</code>	print word counts
<code>wc -l</code>	print number of lines

Special characters

^	the beginning
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Special characters

^	the beginning
\$	the end

Special characters

^	the beginning
\$	the end
.	a single character

Special characters

^	the beginning
\$	the end
.	a single character
.*	zero to many characters

We are just scratching
the surface!



Do something with all of the object IDs in a list of URLs for the Harvard Art museum

<http://api.harvardartmuseums.org/collection/object/299843>

<http://api.harvardartmuseums.org/collection/object/265412>

<http://api.harvardartmuseums.org/collection/object/297815>

<http://api.harvardartmuseums.org/collection/object/436103>

<http://api.harvardartmuseums.org/collection/object/162345>

<http://api.harvardartmuseums.org/collection/object/249803>

<http://api.harvardartmuseums.org/collection/object/565412>

<http://api.harvardartmuseums.org/collection/object/597715>

<http://api.harvardartmuseums.org/collection/object/435553>

<http://api.harvardartmuseums.org/collection/object/892643>

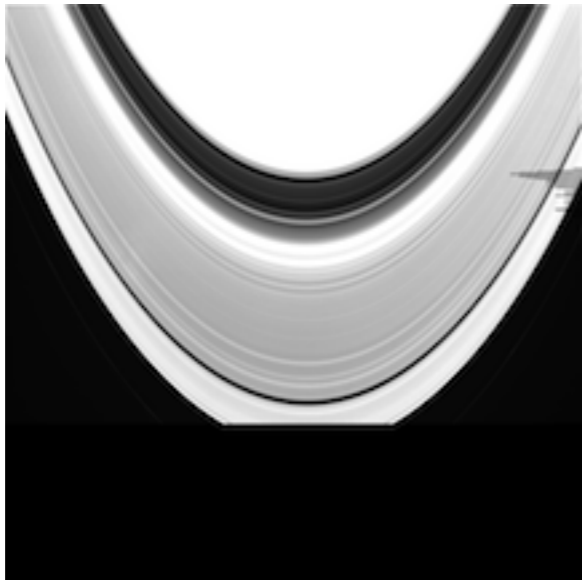
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What IP addresses accessed library resources more than 100 times in the last 24 hours?

HOLLIS 69.172.200.24 August 13, 2013 12:11:25 EST
HOLLIS 18.196.21.13 August 13, 2013 12:10:03 EST
HOLLIS 69.172.200.24 August 13, 2013 12:08:22 EST
KENNEDY 54.152.45.111 August 13, 2013 12:07:14 EST
HOLLIS 69.172.200.24 August 13, 2013 12:01:31 EST
HOLLIS 69.172.206.61 August 13, 2013 12:01:31 EST
AGASSIZ 18.196.21.130 August 13, 2013 12:01:00 EST

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Reorganize the NASA Cassini image data



http://pdsimg.nasa.gov/cassini/1998-05-23/N1355913_1.IMG

http://pdsimg.nasa.gov/cassini/1998-05-23/N1355913_2.IMG

http://pdsimg.nasa.gov/cassini/1998-05-23/N1355913_3.IMG

http://pdsimg.nasa.gov/cassini/1998-06-11/N1367319_1.IMG

http://pdsimg.nasa.gov/cassini/1998-06-11/N2298583_1.IMG

http://pdsimg.nasa.gov/cassini/1998-06-11/N2298583_2.IMG

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