# Inquerex

v. 0.1.0

# Find x in Texts

*How to Craft a Query*

## <u>Building Blocks</u>

**words**  words <u>*must*</u> *be matched (i.e., found)*

**[words]**  words <u>*must*</u> *appear before/after* match

**~[words]**  words <u>*mustn't*</u> *appear before/after* match

[words]**{n}**  n *words between* words *and* match

|  |  |
|---|---|
| $\{n^1\text{-}n^x\}$ | $n^1$, $n^2$, $n^3$ … or $n^x$ words |
| $\{n+\}/\{n\text{-}\}$ | n or more/less words |
| $\{>n\}/\{<n\}$ | greater/less than n words |

**(letters)**  letters <u>*may*</u> *be matched*
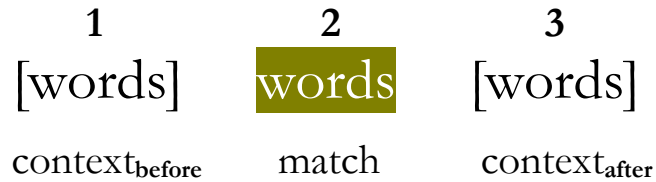
**\***  *one or more letters and/or whole numbers*

**word$_1$/word$_2$**  word$_1$ *or* word$_2$

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**/string/**  string *is a perl-compatible regular expression*

**\\**  *interpret the next character literally*

\[  \]  \(  \)  \*  \/  \"

# Putting Them Together

*Queries can have three basic parts.*

| 1 | 2 | 3 |
|---|---|---|
| [words] | words | [words] |
| context$_{before}$ | match | context$_{after}$ |

*Only the match part is required.*

words

match

*Only one match part is allowed.*

~~words~~ ~~[words]~~ ~~words~~

match    context$_{before?/after?}$    match

*But context parts can be multiplied.*

[words] [words] [words]    words    [words] [words]

context$_{b1}$  context$_{b2}$  context$_{b3}$    match    context$_{a1}$  context$_{a2}$

*And context parts can be divided.*

[ [ words ] words [ words ] ]    words

/-----------------context$_b$----------------/    main match

/--context$_b$--/--match--/--context$_a$--/
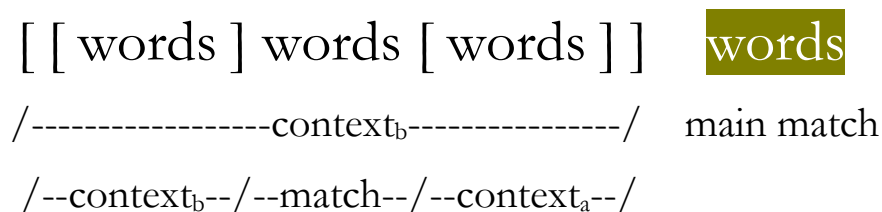
# <u>Examples</u>

*Observe which words, if any, each query matches.*

## tyran*
==tyrant==, ==tyrants==, ==tyranny==, ==tyrannies==, ==tyrannize==, ==tyrannical==, ==tyrannicide==

## tyrann*
tyrant, tyrants, ==tyranny==, ==tyrannies==, ==tyrannize==, ==tyrannical==, ==tyrannicide==

## tyrant*
tyrant, ==tyrants==, tyranny, tyrannies, tyrannize, tyrannical, tyrannicide

## tyrant(s)
==tyrant==, ==tyrants==, tyranny, tyrannies, tyrannize, tyrannical, tyrannicide

## tyranny/tyrannize/tyrannical
tyrant, tyrants, ==tyranny==, tyrannies, ==tyrannize==, ==tyrannical==, tyrannicide

## tyrann(y)(ize)(ical)
tyrant, tyrants, ==tyranny==, tyrannies, ==tyrannize==, ==tyrannical==, tyrannicide

## tyrann(y)(i)(ze)(c)(al)(ide)
tyrant, tyrants, ==tyranny==, tyrannies, ==tyrannize==, ==tyrannical==, ==tyrannicide==

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## /tyrann\w{4}/
tyrant, tyrants, tyranny, tyrannies, tyrannize, ==tyrannical==, tyrannicide

## /tyrann*/
tyrant, tyrants, tyranny, tyrannies, tyrannize, tyrannical, tyrannicide

## tyrant \(i.e., illegitimate ruler\)
Behold the ==tyrant (i.e., illegitimate ruler)==!

# Examples

*Observe which words, if any, each query matches.*

## pick
Peter Piper picked a peck of pickled peppers.

## [Peter] peck [peppers]
Peter Piper picked a **peck** of pickled peppers.

## [Peter]{0-10} peck [peppers]{0-10}
Peter Piper picked a **peck** of pickled peppers.

## [Peter]{0-3} peck [peppers]{0-2}
Peter Piper picked a **peck** of pickled peppers.

## [Peter]{0-2} peck [peppers]{0-2}
Peter Piper picked a peck of pickled peppers.

## [Peter]{0-3} peck [peppers]{3+}
Peter Piper picked a peck of pickled peppers.

## ~[Priyah] peck ~[papayas]
Peter Piper picked a **peck** of pickled peppers.

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## [ Peter [ ~[ sweet ] pickled ] ] peck
Peter Piper picked a **peck** of pickled peppers.

## [ Peter [ ~[ picked ] pickled ] ] peck
Peter Piper picked a peck of pickled peppers.

## [pick(*)]{1}[Peter/Joy]{<4} peck ~[/\d/][of(f)]
Peter Piper picked a **peck** of pickled peppers.