Regular Expression basically allow us to search for specific patterns of text – and they can look complicated;

* Mainly because there’s so much that we can do with them;
* Can create a regular expression for just about any pattern of text that you can think of

We’ll be using the regular expression tool in the atom text editor to write there regular expressions and find what text matches our pattern

Atom regular expression tool;

* **find** > **find in buffer;**
  + enable **.\* - RegEx**
  + enable **Aa – match case option - case sensitivity**

find **abc** but not **bca** because the order matters

. mathed with everything (. is a special character in Regular Expressions) - use escape **\.**

And that is sam efor any of these meta characters; **.[{()\^$|?\*+**

coreyms\. To find coreyms.com

literal characters search

patters; -- uppercase versions of all these are the ones that negate the search

. - Any Character Except New Line

\d - Digit (0-9)

\D - Not a Digit (0-9) Everything Except Digit

\w - Word Character (a-z, A-Z, 0-9, \_)

\W - Not a Word Character

\s - Whitespace (space, tab, newline)

\S - Not Whitespace (space, tab, newline)

\b - Word Boundary

\B - Not a Word Boundary

^ - Beginning of a String

$ - End of a String

[] - Matches Characters in brackets

[^ ] - Matches Characters NOT in brackets

| - Either Or

( ) - Group

Quantifiers:

\* - 0 or More

+ - 1 or More

? - 0 or One

{3} - Exact Number

{3,4} - Range of Numbers (Minimum, Maximum)

#### Sample Regexs ####

[a-zA-Z0-9\_.+-]+@[a-zA-Z0-9-]+\.[a-zA-Z0-9-.]+