1. To test regular expression patterns, use following site

<https://regex101.com/>

Symbols used

|  |  |
| --- | --- |
| ^ | It checks the pattern at the beginning of the line |
| $ | Checks the pattern at the end of the line |
| . | Matches with any one character |
| [abc] | Either a or b or c |
| [^abc] | Anything except a or b or c |
| \d | Matches with any digit [0-9] |
| \w | Matches with any word character [a-zA-Z0-9\_] |
| \W | Matches with any word character other than word character [^a-zA-Z0-9\_] |
| \D | Matches with any non digit character [^0-9] |
| \s | Matches with one space |
| \S | Matches with non space character |
| \b | Boundary character |
| \B | Non boundary character |
| \* | O or any number of occurrences of preceding pattern |
| + | 1 or any number of occurrences of preceding pattern |
| ? | 0 or 1 occurrences of preceding pattern |
| {m,n} | Min m and max n occurrences of preceding pattern |
| {m,} | Min m and max any occurrences of preceding pattern |
| {m} | Exactly n occurrences of preceding pattern. |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | or | ^[Oo]r | [Oo]r$ | ^[Oo]r$ | \bor\b |  |
| This is tailor | y | N | Y | n | n |  |
| This is normal | Y | N | N | n | n |  |
| Origami is good | Y | Y | n | n | n |  |
| or | Y | Y | y | y | y |  |
| This or that | Y | N | n | n | y |  |
| There is a cat | n | n | n | n | n |  |