

Quantifiers

In regular expressions, a quantifier is a metacharacter that specifies the number of occurrences of a character or a group of characters. Quantifiers allow you to match patterns that repeat a certain number of times.

It is also called as repetition quantifiers.

*** (Asterisk)**

Matches zero or more occurrences of the preceding character or group. For example, `k*` matches "", "k", "kk", "kkk", and so on.

+ (Plus)

Matches one or more occurrences of the preceding character or group. For example, `k+` matches `"k"`, `"kk"`, `"kkk"`, and so on.

? (Question Mark)

Matches zero or one occurrence of the preceding character or group. For example, `k?` matches `""`, `"k"`.

{n}

Matches exactly n occurrences of the preceding character or group. For example, k{3} matches "kkk".

{n,}

Matches n or more occurrences of the preceding character or group. For example, k{2,} matches "kk", "kkk", and so on.

{n,m}

Matches between n and m occurrences of the preceding character or group.

For example, $k\{2,4\}$ matches "kk", "kkk", or "kkkk".