

Here,

^ → start of the string

[a-zA-Z0-9._%+-]+ → Local part

@ → must include @ symbol

[a-zA-Z0-9.-]+ → Domain name

\. → Dot (.)

[a-zA-Z]{2,6} → Top level domain (com, org)

\$ → End of the string

How the regex pattern works using Pattern and Matcher

Class is given below:

Pattern class:

- Pattern.compile(regex) - compiles regex into a pattern object.
- Pattern.matches(regex, input) → static method for one time matching

Matcher class:

- matcher.matches() → Tests if entire string matches the pattern.
- matcher.find() → Finds the next occurrence of the pattern.
- matcher.reset() → Resets the matcher to reuse it.