1. Write a pattern that matches a string that has an a followed by one or more b's

ab+

1. Write a pattern that matches a string that has an a followed by zero or one 'b'.

ab?

1. Write a pattern that matches a string that has an a followed by three 'b'.

ab{3}

1. Write a pattern that matches a string that has an a followed by two to three 'b'.

ab{2,3}

1. Write a pattern to find sequences of lowercase letters joined with a underscore.

([a-z]+)\_\*

1. Write a pattern to find the sequences of one upper case letter followed by lower case letters.

[A-Z][a-z]+

1. Write a pattern that matches a string that has an 'a' followed by anything, ending in 'b'.

a\w+b

1. Write a pattern that matches a word at the beginning of a string(skip space).

^(?:\s\*)(\w+)

1. Write a pattern where a string will start with a specific number.

^\d+\w\*

11.Write a pattern to validate email address.

^\w+@\w+\.\w+$

1. Write a pattern to Date in format dd/mm/yyyy

^([0-2][0-9]|3[0-1])\/(0[0-9]|1[0-2])\/([0-9]{4})$

1. Write a pattern to match valid URL slugs.

[a-z0-9]+(?:-[a-z0-9]+)\*$

1. Write a pattern to match URL with optional protocol.

(https?:\/\/)?(www\.)?[-a-zA-Z0-9@:%.\_\+~#=]{2,256}\.[a-z]{2,6}\b([-a-zA-Z0-9@:%\_\+.~#()?&//=]\*)

1. Write a pattern to match IP v4 addresses

^(?:(25[0-5]|2[0-4][0-9]|1[0-9][0-9]|[1-9][0-9]|[0-9])(\.(?!$)|$)){4}$

1. Write a pattern to match whole numbers below zero

-[1-9]\d\*

^-\d+\.?\d\*$

1. Write a pattern to match integers or floats that are positive or negative
2. Write a pattern to match opening and closing HTML tags with content between
3. Write a pattern to RGB hex colors.(like: #800000)