/\*

  Regular Expression

  Character Classes

  . => matches any character, expect newline or other line terminators.

  \w => matches word characters. [a-z, A-Z, 0-9 And Underscore];

  \W => matches Non word characters

  \d => matches digits from 0 to 9.

  \D => matches non-digit characters.

  \s => matches whitespace character.

  \S => matches non whitesapce character.

\*/

let email = `)@@@g...come O@g.com O@g.net A@Y.com O-g.com o@s.org 1@1.com`;

let dot = /./g; // this will display everything even the spaces

// [')', '@', '@', '@', 'g', '.', '.', '.', 'c', 'o', 'm', 'e', ' ', 'O', '@', 'g', '.', 'c', 'o', 'm', ' ', 'O', '@', 'g', '.', 'n', 'e', 't', ' ', 'A', '@', 'Y', '.', 'c', 'o', 'm', ' ', 'O', '-', 'g', '.', 'c', 'o', 'm', ' ', 'o', '@', 's', '.', 'o', 'r', 'g', ' ', '1', '@', '1', '.', 'c', 'o', 'm']

let word = /\w/g; // ['g', 'c', 'o', 'm', 'e', 'O', 'g', 'c', 'o', 'm', 'O', 'g', 'n', 'e', 't', 'A', 'Y', 'c', 'o', 'm', 'O', 'g', 'c', 'o', 'm', 'o', 's', 'o', 'r', 'g', '1', '1', 'c', 'o', 'm']

let Wword = /\W/g; // [')', '@', '@', '@', '.', '.', '.', ' ', '@', '.', ' ', '@', '.', ' ', '@', '.', ' ', '-', '.', ' ', '@', '.', ' ', '@', '.']

let valid = /\w@/g; // ['O@', 'O@', 'A@', 'o@', '1@']

let walid = /\w@\w/g; // ['O@g', 'O@g', 'A@Y', 'o@s', '1@1']

let comalid = /\w@\w.com/g; // ['O@g.com', 'A@Y.com', '1@1.com']

let bothValid = /\w@\w.(com|net)/g; // | which means Or ['O@g.com', 'O@g.net', 'A@Y.com', '1@1.com']

console.log(email.match(dot));

console.log(email.match(word));

console.log(email.match(Wword));

console.log(email.match(valid));

console.log(email.match(walid));

console.log(email.match(comalid));

console.log(email.match(bothValid));