

Strings

<https://www.interviewbit.com/snippet/67befbf202bf80095957/>

Agenda

- ① Introduction to String
- ② ASCII
- ③ Solve Problems.
- ④ .equals() method

① `System.out.println("Hello World");`
↓
String

" " → String

String → Sequence of Characters

What is Characters?

[A-Z]

[a-z]

[1-9]

new line, tab, " "

'0'

Quiz 1: "abc123" → no.

Quiz 2 :- "123" 123 → Concat, length
 123 123
 mal, div, add substr
 ↓

How computer understand if it is a String or Integer

↳ binary.

10 → 1010

"India" → ?

["I", "n", "d", "i", "a"]

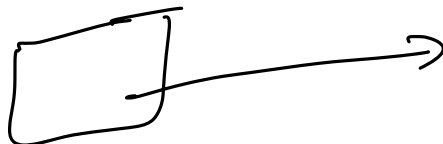
A → 1
B → 2
⋮
Z → 26.

[9, 14, 3, 9, 1] → binary.

10 — $\begin{matrix} 2^0 & 2^1 \\ 1 & 0 & 1 & 0 \end{matrix}$
 $[2^3 + 2^2 + 2^1 + 2^0] = 10$

String → sequence numbers → binary

<u>US</u>	<u>Europe</u>
A — 1	A — 26
B — 2	B → 25
⋮	⋮
Z — 26	Z = 1



ASCII → American Standard Code for
Information Interchange

A → 65	a → 97	0 — 48
B → 66	b → 98	1 — 49 —
⋮	⋮	⋮
Z = 90	Z = 122	9 — 57

Quiz →

"10"
"1", "0"
[49, 48]