

System.out.println("Hello world!");

↓
string

" " " * "

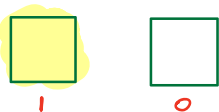
string \Rightarrow sequence of characters

├─ [A-Z]
├─ [a-z]
├─ [0-9]
├─ Spaces, tab, new line
└─ Special characters
 @ \$, : ;

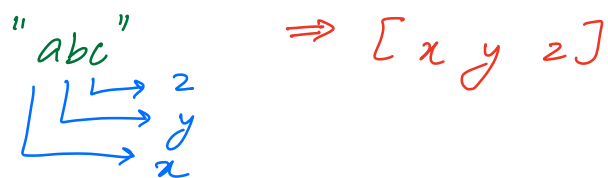
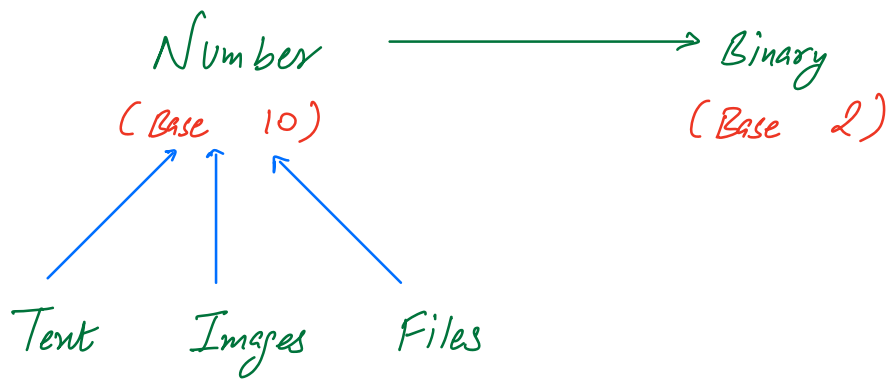
"abaa c" \rightarrow \checkmark
"abc123" \rightarrow x
'ab\$@' \rightarrow x
"abc 123" \rightarrow \checkmark
"123" \rightarrow string
123 \rightarrow int

"123"	v/s	123
x		-/*%
"123" + "456"		123 + 456
123456		579

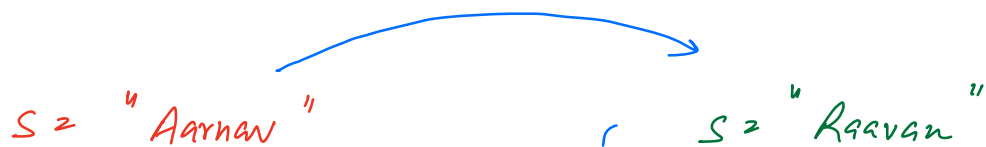
How does your code work?



Switch



Country 1	Country 2	Country 3
$a \rightarrow 1$	$a \rightarrow 11$	$a \rightarrow 1$
$b \rightarrow 2$	$b \rightarrow 12$	$b \rightarrow 30$
\vdots	\vdots	\vdots
i	i	i
$z \rightarrow 26$	$z \rightarrow 36$	$z \rightarrow 111$



American Standard Code for Information Interchange

ASCII I

char \rightarrow int mapping

'a' \rightarrow 97	'A' \rightarrow 65	'0' \rightarrow 48
'b' \rightarrow 98	'B' \rightarrow 66	'1' \rightarrow 49
⋮	⋮	⋮
'z' \rightarrow 122	'Z' \rightarrow 90	'9' \rightarrow 57

[49 48] 10 \rightarrow 58 X
[49 49] 11 \rightarrow 59 X