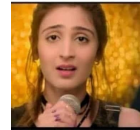




\*People who loves 90s songs, after listening todays songs\*



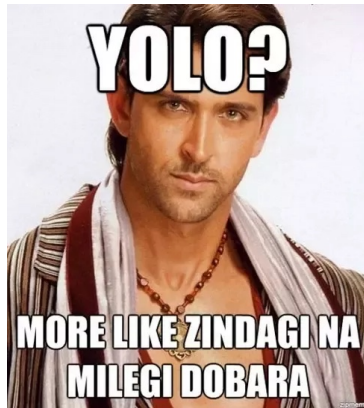
**GUESS THE SONG**



Bahane



Le Gye



Strings

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

⇓

String

" " String  
 " " }  
 " " }

String : Sequence of characters

[A-Z]

"abacc" ✓  
 "ab\$" ✓  
 "ab123" ✓  
 "ab cd" ✓  
 123 → int  
 "123" → string

[a-z]  
 [0-9]  
 ' ' , ' < ' ,  
 @, !, -, -, \$

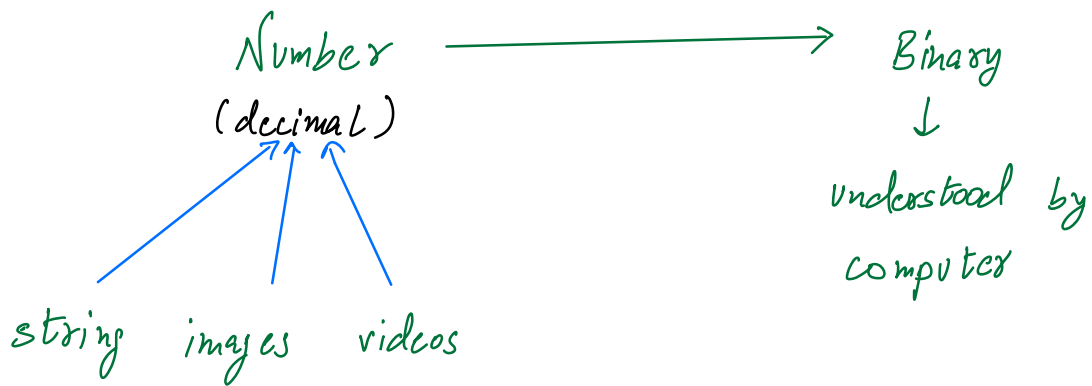
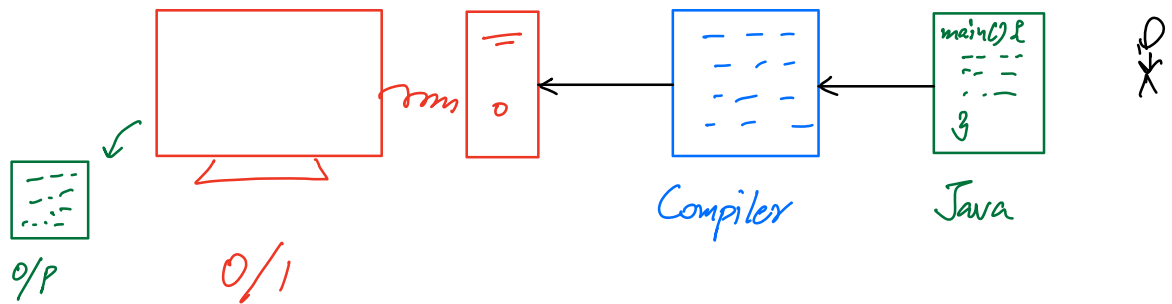
|                         |     |               |
|-------------------------|-----|---------------|
| 123                     | v/s | "123"         |
| ↓                       |     |               |
| Mathematical operations |     |               |
| 123++ ⇒ 124             |     | "123"++       |
|                         |     | Error         |
| 123 x 456 ⇒ int         |     | "123" x "456" |
|                         |     | Error         |

English, Hindi, Tamil, Telugu, French  
Humans

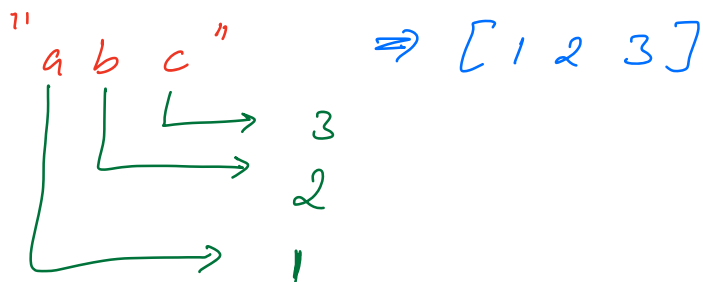
Language of computers ⇒ 0/1

Switch  $\begin{cases} \rightarrow \text{Low state [No current]} \Rightarrow 0 \\ \rightarrow \text{High state [Current]} \Rightarrow 1 \end{cases}$

Binary



String to Number



| Uttamjeet | Bindu  | Tanu   |
|-----------|--------|--------|
| a = 1     | a = 26 | a = 10 |
| b = 2     | b = 25 | b = 30 |
| c = 3     | c = 24 | c = 23 |
| ⋮         | ⋮      | ⋮      |
| z = 26    | z = 1  | z = 😊  |

"Aarnav"  $\Rightarrow$  store,  $\longrightarrow$  "Raavan"  $\Leftarrow$  retrieve<sub>3</sub>  
"Aarnav"  $\Leftarrow$  retrieve,

USA  $\Rightarrow$  ASCII  
American Standard Code for Information Interchange

|                     |                    |                    |
|---------------------|--------------------|--------------------|
| a $\rightarrow$ 97  | A $\rightarrow$ 65 | 0 $\rightarrow$ 48 |
| b $\rightarrow$ 98  | B $\rightarrow$ 66 | 1 $\rightarrow$ 49 |
| :                   | :                  | :                  |
| z $\rightarrow$ 122 | Z $\rightarrow$ 90 | 8 $\rightarrow$ 56 |
|                     |                    | 9 $\rightarrow$ 57 |

[1, 0]  $\Rightarrow$  [49, 48]

10  $\rightarrow$  58 x

[1, 1]  $\Rightarrow$  [49, 49]

11  $\rightarrow$  59 x

Doubts  
10: 15

Code : <https://www.interviewbit.com/snippet/b0c210dd564f8385a121/>