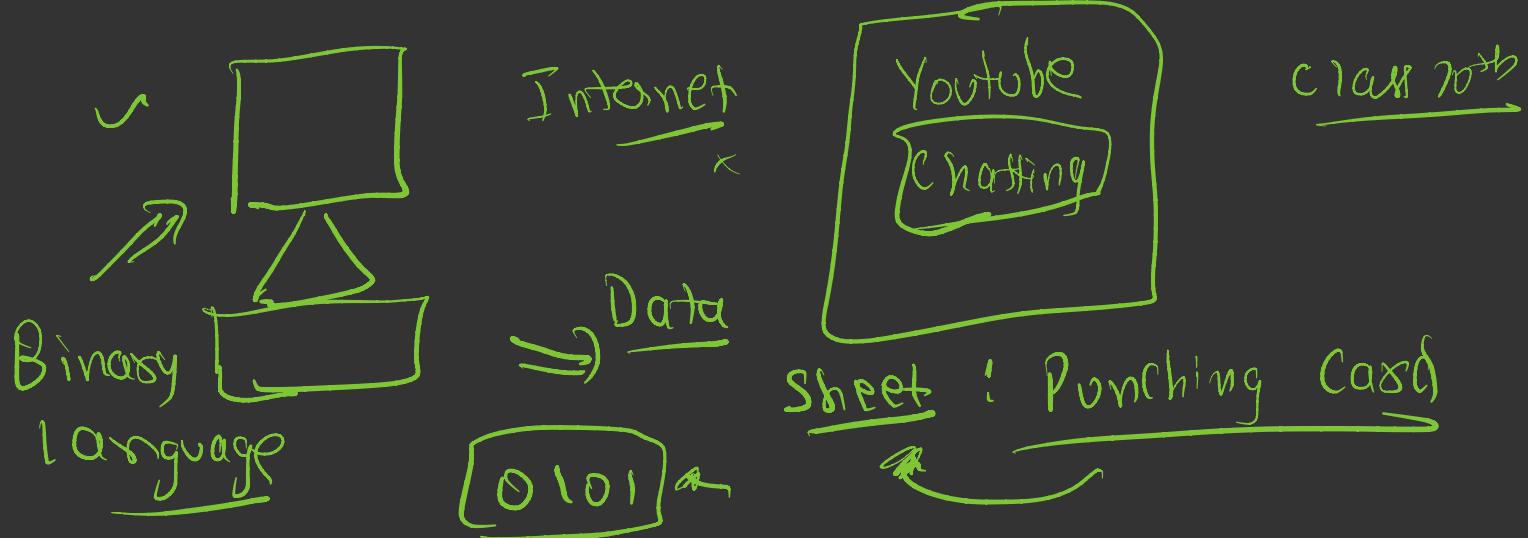


7821081179



7821081179





16 ✓

Binary

A B C

Hello



ASCII

A → -
a -

1
2
3

—

A

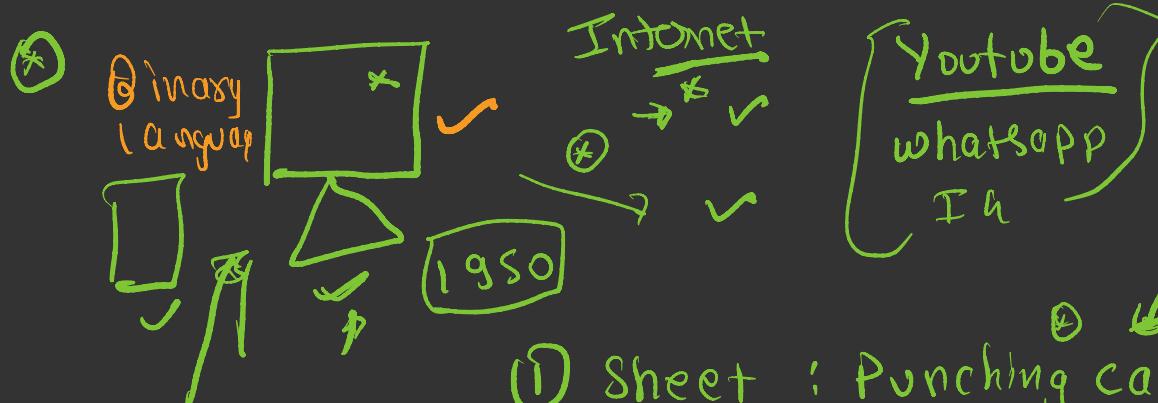
65



ASCII value
Decimal

Binary

10000001



① Sheet : Punching card

Binary language

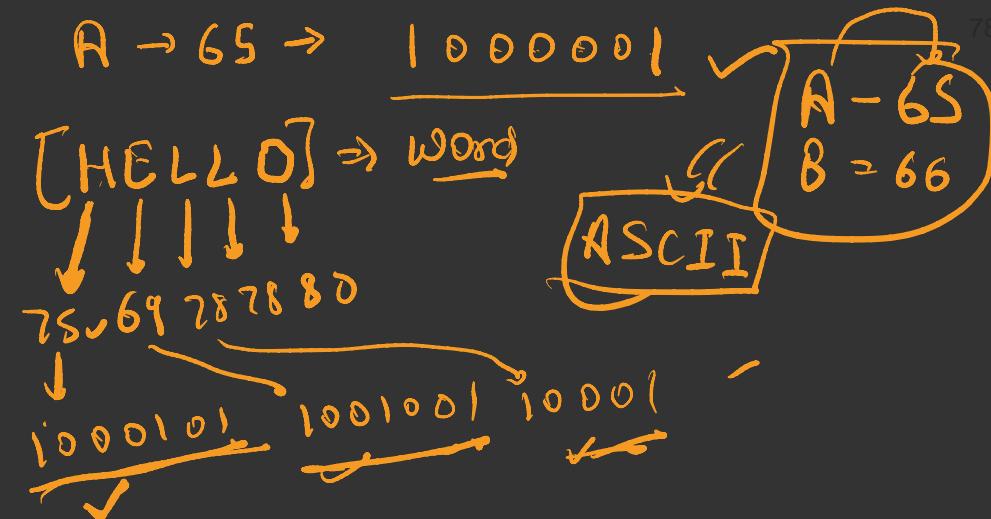
16 \Rightarrow Binary conversion

1010110010
H
↓
ASCII

A - 65
G - 66
↓

Hello

11
Binary



The diagram illustrates the conversion of the string "Hello Bhaiya" from English alphabets to their corresponding ASCII binary values.

- String:** Hello Bhaiya
- Conversion:** Each character is converted to its ASCII value. The space character is explicitly labeled as having an ASCII value of 32.
- Binary Representation:** The ASCII values are shown in green boxes above the binary digits. The binary digits themselves are represented by orange vertical bars under each character.
- Annotations:**
 - A green box labeled "8 bit" is placed over the binary digits.
 - An orange circle labeled "ASCII" is drawn below the binary digits.
 - A cartoon character holding a flag with the number 628 is shown next to the binary digits.
 - The word "Binary" is written at the bottom right.

$$2^8 = \boxed{256} \quad \text{---}$$

[Pixel] \times [Pixel]

Hind

Buddha

Chinese

2

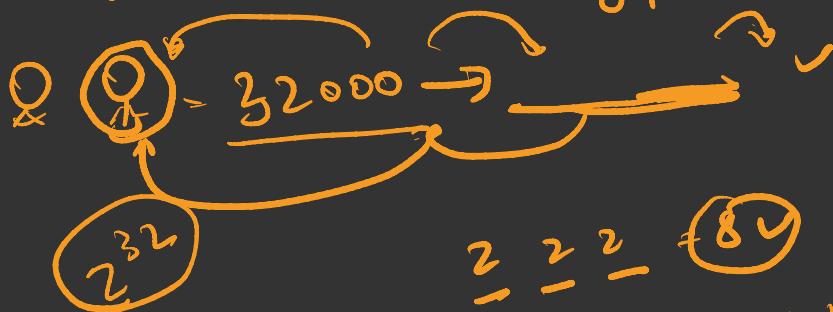
UTF-8 (8)
UTF-16 (16)
UTF-32 (32)

b3
b2

$$A = 65$$

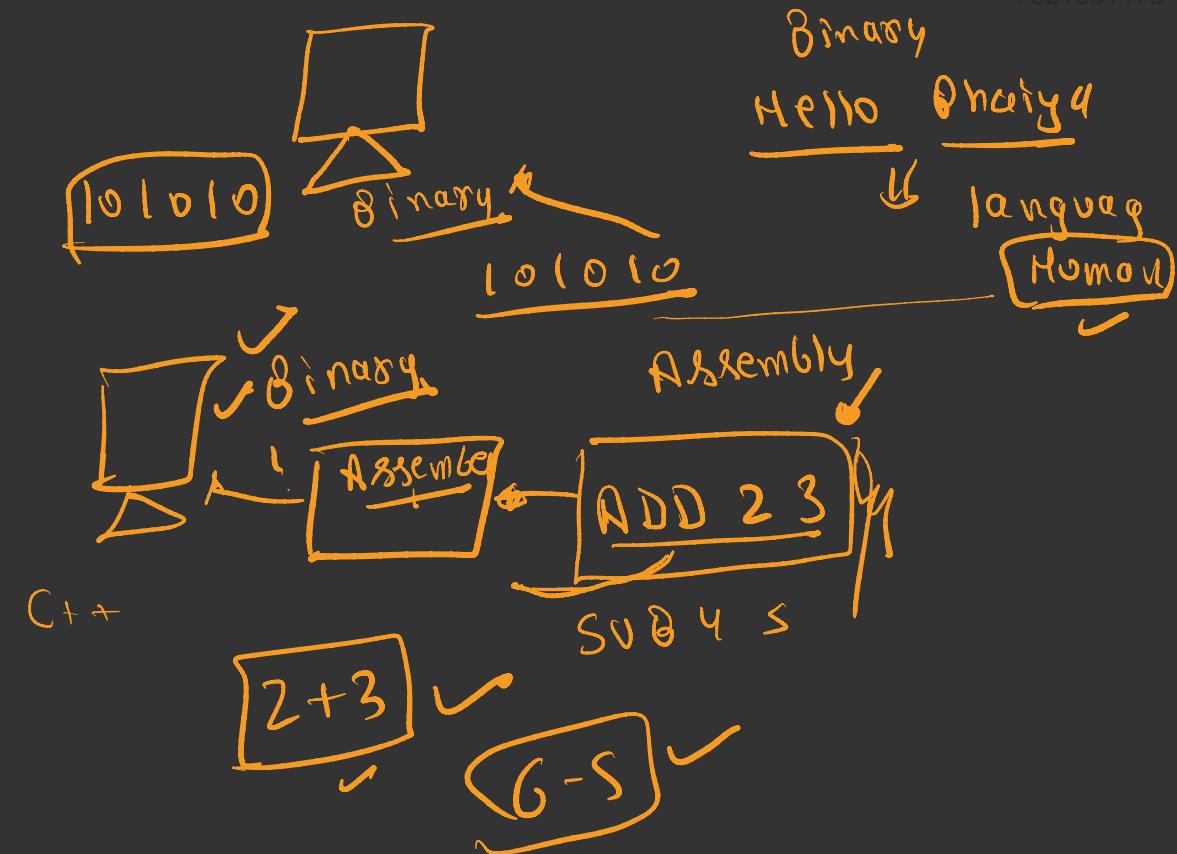
$$B = 66$$

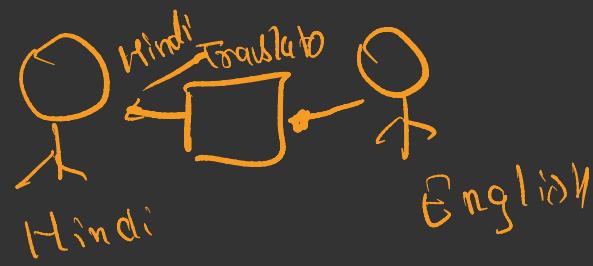
$$\frac{2^{18}}{64} = \frac{65536}{64}$$

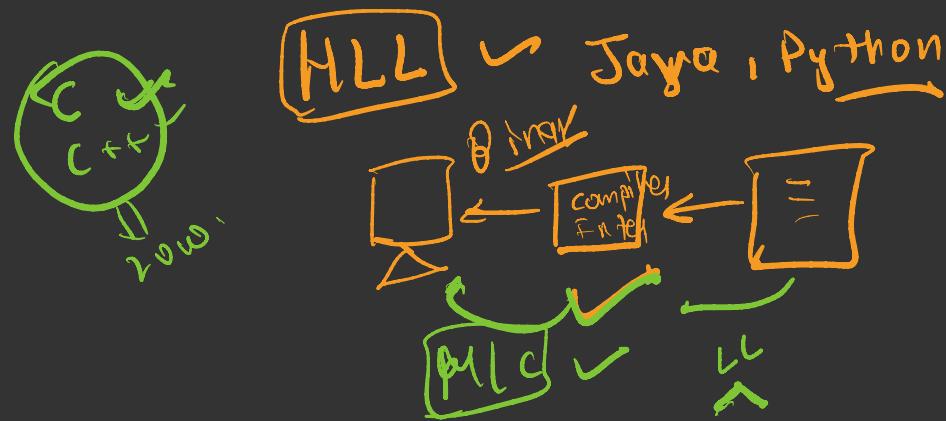


$$\begin{array}{r}
 2^2 2^2 2^2 = 4 \\
 \hline
 0 & 0 & 1 & 2 \\
 & 1 & 0 & 1 & 0 \\
 & 1 & 0 & 1 & 0 \\
 \hline
 & 4 & & & \checkmark
 \end{array}$$

char a = '2'
int b = 2







M~~L~~ang > Assembly > HLL

A hand-drawn diagram illustrating the hierarchy of programming environments. On the left is a stick figure labeled "Min". Above "Min" is a small box labeled "Min". To the right of "Min" is a stick figure labeled "Env". Above "Env" is a large box labeled "Env". A downward arrow from "Env" points to "Env".

