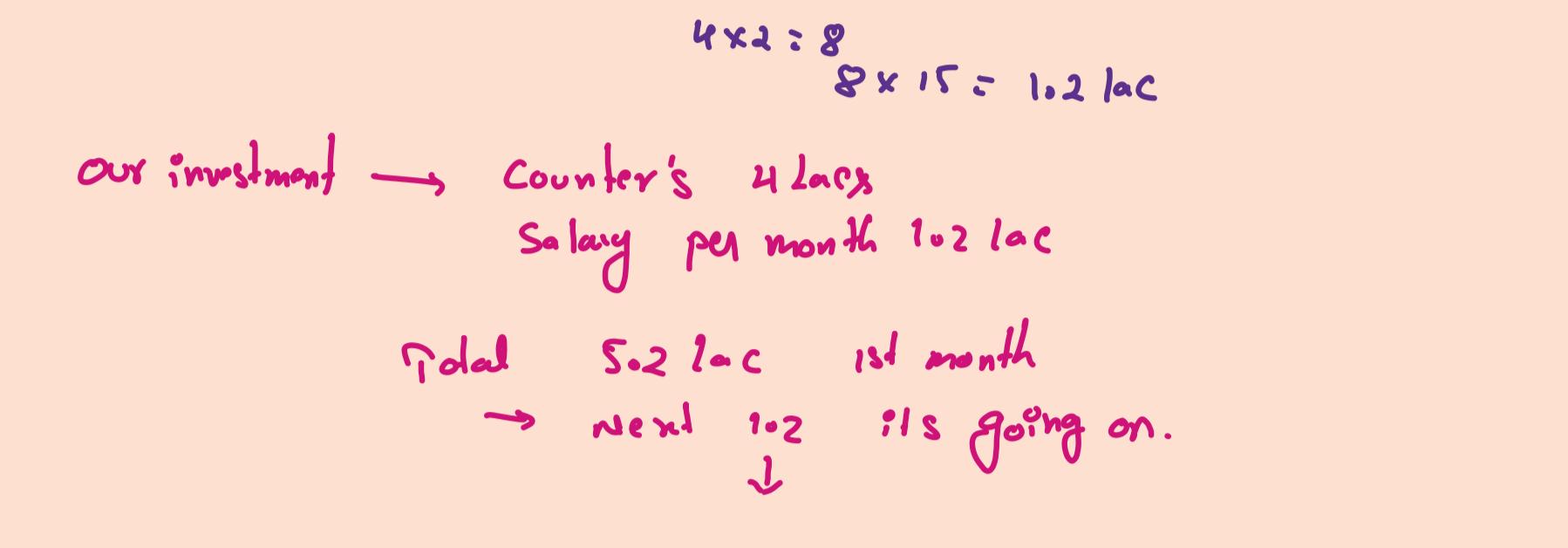


## Computers Basics :-

why we need to use computers :-



After 1 year Daily Customer's are increased to 1000,

little hard to handle Billing and managing store,

for 100 customer's to make payments & Billing roughly taken 3hr

how many hours to take 1000 customer's,

it's around 30 hr's per day we have 8 to 12 businesses,  
So, we need to improve Billing counter's or automation,

Look into the Counter's:

we developed 24 extra Counter's to make  
billing & payments

the cost of investment to take,

per Counter around taken 50k to 1 lac.

Employability 4 members  
2shift/8  
per head 15 to 20k monthly salary  
 $4 \times 2 = 8$   
 $8 \times 15 = 12 \text{ lac}$

our investment → Counter's 12 lac

Salary per month 102 lac

Total 502 lac 1st month

→ next 102 it's going on.

Let's look into Automation:-

already we have one Counter ✓

Take normal Computer install Billing Software.

Computer hardly 20 to 30k

Software yearly plan → 100/- - 8200/-

30k + 8k = 40k  
yearly ✓

if we go with traditional way we need to invest more than  
4 lac's

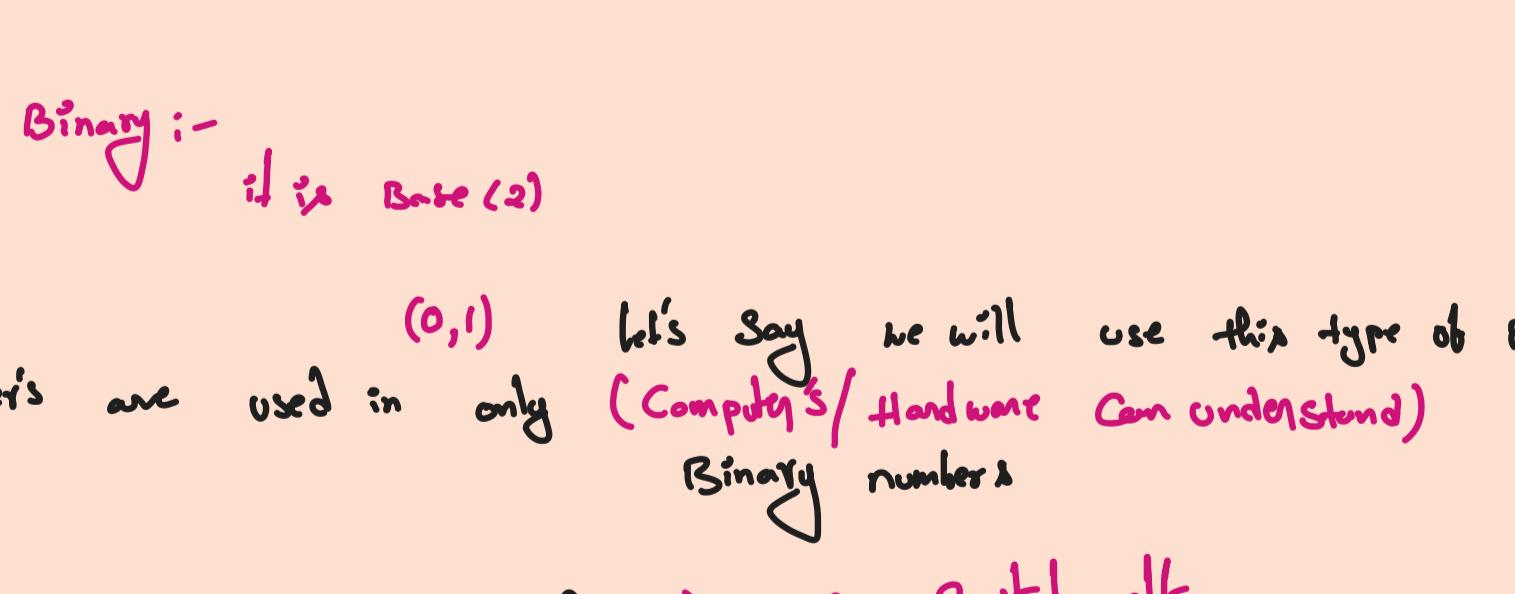
Software is more important daily life,

oyo, flipkart, amazon, ITC, phonepe,  
Banking, RedBUS, youtube, uber, zomato,  
Rapido, lot of big tech Software's are

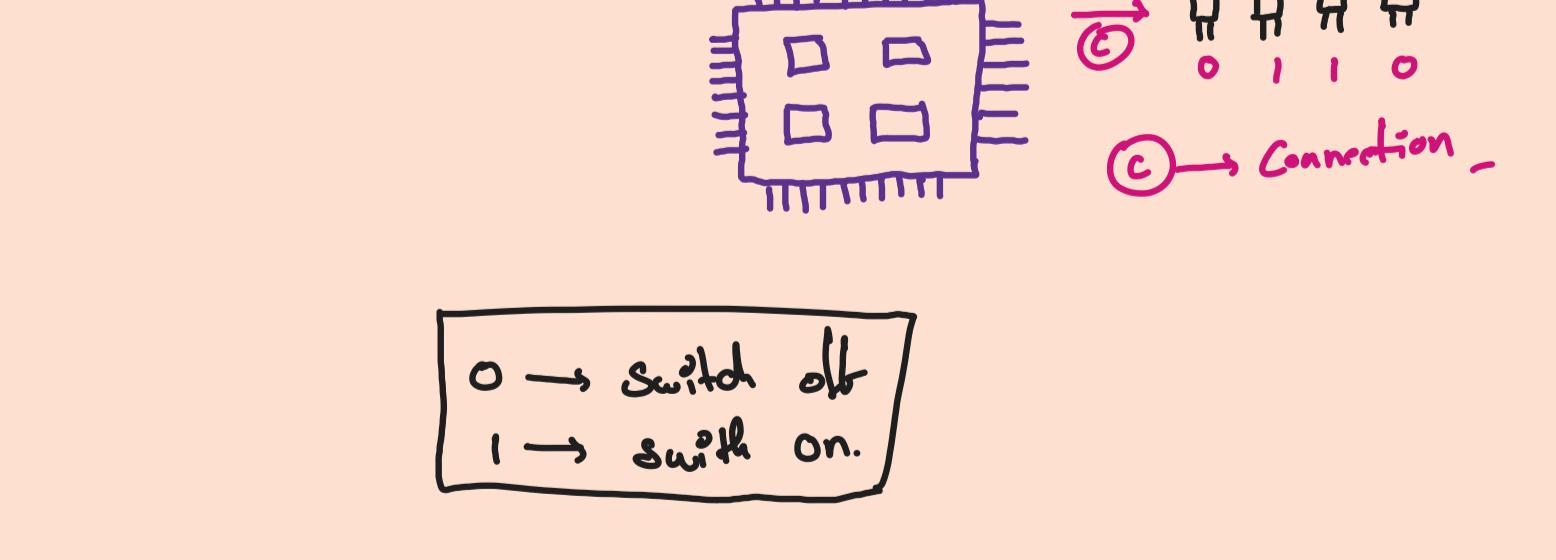
Reducing our work to Simplify.

Let's understand the concept.

intro of Computers :-



Actual flow of data input to output.



math blooper thinking how to solve this problem by using + addition operator,

he doesn't know abt how to do addition 2+3?

Right we can use Computer to solve this math problem.

Lang's :-

C, C++

these two languages are directly interacted with computer

hardware

Java, python, JavaScript, php..etc  
these languages are not directly interact with  
computer hardware it's need to interpret the code into binary code,

Eg :

java → code

↓

Compiled

↓

Interpreted

↓

Given .class file

↓

the class file contain

↓

this code not readable either

machine and human, this code

comfortable to language code

interpreters,

Binary is very important

for every Computer/Software developer's,

## Numbers

Base value :-

Base (10) → Decimal numbers

Base (2) → Binary numbers

Base (8) → Octal numbers

Base (16) → Hexa Decimal numbers.

let's talk about Base(10) Decimal numbers:-

Base Ten numbers, (0,1,2,3,4,5,6,7,8,9)

(145)<sub>10</sub>

Regular notes:-

( $\frac{2}{1} \frac{1}{4} \frac{0}{5}$ )<sub>10</sub>

Base (10)

Decimal number 8 -

Human's are using their

daily life

101 - 1101 -

201 - 1010 -

301 - 1100 -

( $\frac{2}{1} \frac{1}{4} \frac{0}{5}$ )<sub>10</sub>

( $1 \times 10^3 + 4 \times 10^2 + 5 \times 10^1$ )

→ 100 + 40 + 5

→ (145)<sub>10</sub>

Binary :-

it is base(2)

(0,1) let's say we will use this type of binary  
numbers are used in only (Computer's / Hardware can understand)

Binary numbers

Binary

0 → mean Switch off

1 → mean Switch on

lets see:-



① → Connection -

0 → Switch off  
1 → Switch on.

Learn more numbers tricks and conversions,

mainly learn ASCII → keys = values.

12/03/2023

7:00 pm

area

