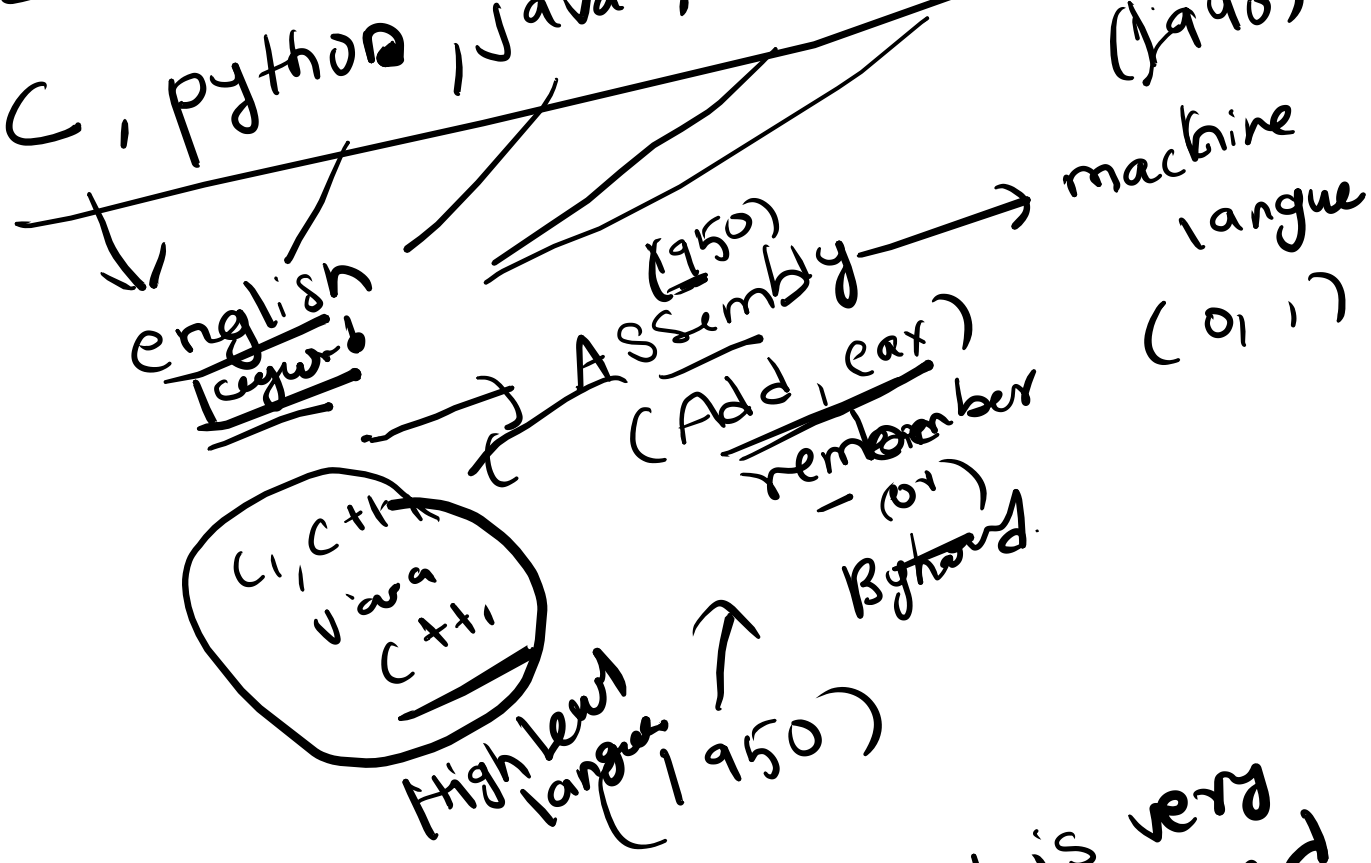
High level language (vs) Low level Laaanguage

High-level language

↳ Human Readable Language

C, python, java, c++, c#



(0,1) → It is very hard to understand

Low level language (fast) → directly dealing cpu, (00) computer

↳ Assembly language →

↳ machine language → (0,1)

present all are using High level language

→ Assembly → machine language

(High level language)

(little bit slow) comparatively low level language

What task
How to do

compute.

Assembly language. (low)

```
mov eax, 5          ; move value 5 into register eax
mov ebx, 10         ; move value 10 into register ebx
add eax, ebx        ; eax = eax + ebx
push eax            ; push result for printf
call printf         ; call printf function
```

machine Language (low)

```
B8 05 00 00 00   ; mov eax, 5
BB 0A 00 00 00   ; mov ebx, 10
01 D8            ; add eax, ebx
50               ; push eax
E8 xx xx xx xx   ; call printf (address)
```

⇒ 10101011010101

(Hexadecimal / Binary)

mixing Binary and alphabetical letters

(High level language)

Human Readable language

```
/******************************************************************************

                            Online C Compiler.
                Code, Compile, Run and Debug C program online.
Write your code in this editor and press "Run" button to compile and execute it.

*******************************************************************************/

#include <stdio.h>

int main()
{
    printf("Hello World");

    return 0;
}
```

english keywords