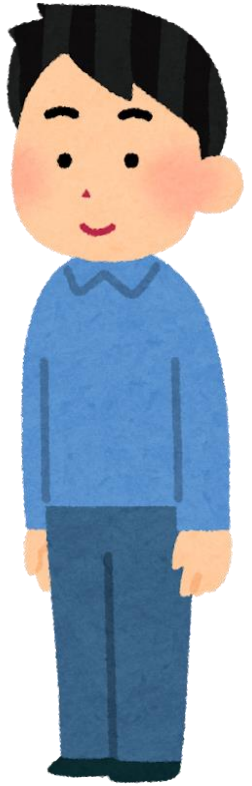C language

talk

C language
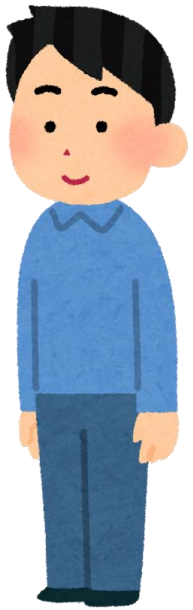
talk

翻譯員
Translater

compiler

C language
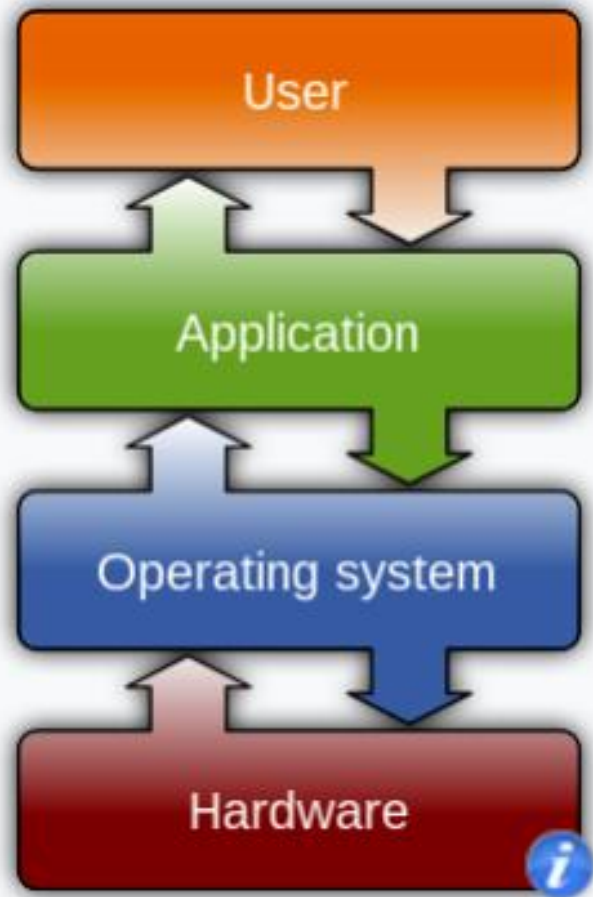
talk

翻譯員
Translator

compiler

Machine code
101100101

```
#include <stdio.h>

int main() {
    // printf() displays the string inside quotation
    printf("Hello, World!");
    return 0;
}
```

0100101101100010101
0100010110011100 11
100110111110101011
110101100100011111 10
010010100110001010 0
010110000111011110 0

Operating systems

User

Application

Operating system

Hardware

Common features

C program

Windows 11

```
Sum of x+y = 35
```

int x=10;

Command terminator, end of command, called semicolon

Assignment
One direction only

Assing 10 to vaiable x
One direction only

```c
int main() {        Curly baraces 大括號
    int x=10;
    int y=25;
    int z=x+y;
    printf("Sum of x+y = %i", z);
}
```

Main function, the starting point of execution

```c
int main() {
    int x=10;
    int y=25;
    int z=x+y;
    printf("Sum of x+y = %i", z);
}
```

```c
#include<stdio.h>
```
Bring in library functions

```c
int main() {
    int x=10;
    int y=25;
    int z=x+y;
    printf("Sum of x+y = %i", z);
}
```