

# Source Code

More "Human" readable commands

```
void main()  
{  
    printf("Hello World");  
}
```

The Compiler uses a Linker to combine your code with library code and create the final machine code file...

.... 0111 0111 0010  
0000 0000 0110 0011  
0101 1111 0101 1111  
0110 1001 0101 ....  
Library Machine Code

## Compiler

Compiler converts your code to Assembly, and then uses an Assembler to convert this to machine code

## Assembler

.... 1110 0101 1111  
0100 0001 0101 1000  
0110 0111 0111 0010  
0000 0000 0111 ....  
Your Code as Machine Code

## Linker

Your code can now be run on the computer...



.... 0111 0111 0010 0000 0000 0110 0011  
0100 1110 0101 1111 0100 0001 0101 1000  
0110 0111 0111 0010 0000 0000 0111 0110  
0101 1111 0101 1111 0110 1001 0101 ....