

# Programming Languages

- functions
- loops
- variables
- conditions
- ...

when  clicked

say hello, world

```
#include <stdio.h>
```

```
int main(void)
```

```
{
```

```
    printf("hello, world\n");
```

```
}
```

01111111	01000101	01001100	01000110	00000010	00000001	00000001	00000000
00000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000010	00000000	00111110	00000000	00000001	00000000	00000000	00000000
10110000	00000101	01000000	00000000	00000000	00000000	00000000	00000000
01000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
11010000	00010011	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000000	00000000	00000000	01000000	00000000	00111000	00000000
00001001	00000000	01000000	00000000	00100100	00000000	00100001	00000000
00000110	00000000	00000000	00000000	00000101	00000000	00000000	00000000
01000000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
01000000	00000000	01000000	00000000	00000000	00000000	00000000	00000000
01000000	00000000	01000000	00000000	00000000	00000000	00000000	00000000
11111000	00000001	00000000	00000000	00000000	00000000	00000000	00000000
11111000	00000001	00000000	00000000	00000000	00000000	00000000	00000000
00001000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000011	00000000	00000000	00000000	00000100	00000000	00000000	00000000
00111000	00000010	00000000	00000000	00000000	00000000	00000000	00000000
00111000	00000010	01000000	00000000	00000000	00000000	00000000	00000000
00111000	00000010	01000000	00000000	00000000	00000000	00000000	00000000
00011100	00000000	00000000	00000000	00000000	00000000	00000000	00000000

...

```
print("hello, world")
```

```
2      0 LOAD_GLOBAL      0 (print)
      3 LOAD_CONST      1 ('hello, world')
      6 CALL_FUNCTION     1 (1 positional, 0 keyword pair)
      9 POP_TOP
     10 LOAD_CONST      0 (None)
     13 RETURN_VALUE
```

```
#include <iostream>
```

```
int main()
```

```
{
```

```
    std::cout << "hello, world" << std::endl;
```

```
}
```



```
class Hello
{
    public static void main(String [] args)
    {
        System.out.println("hello, world");
    }
}
```

```
put "hello, world"
```

```
(print "hello, world")
```

```
console.log("hello, world")
```

- Bash
- C
- C++
- C#
- Clojure
- Erlang
- F#
- Go
- Haskell
- Java
- JavaScript
- Objective-C
- OCaml

- PHP
- Python
- R
- Ruby
- Scala
- Scheme
- SQL
- Swift
- ...

[wikipedia.org/wiki/List\\_of\\_programming\\_languages](https://wikipedia.org/wiki/List_of_programming_languages)

# Programming Languages