Programming

Software









Code

Algorithms

- 1 pick up phone book
- 2 open to middle of phone book
- 3 look at names
- 4 if Smith is among names
- 5 call Mike
- 6 else if Smith is earlier in book
- 7 open to middle of left half of book
- go back to step 3
- 9 else if Smith is later in book
- open to middle of right half of book
- go back to step 3
- 12 else
- 13 quit

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- functions
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```
#include <stdio.h>
int main(void)
{
    printf("hello, world\n");
}
```

0000000 0000000 00000000 00000000 00000000 0000000 00000000 0000000 00111110 00000000 00000001 0000000 0000000 0000000 00000101 01000000 00000000 00000000 0000000 0000000 00000000 10110000 01000000 0000000 0000000 00000000 00000000 0000000 00000000 0000000 00010011 0000000 00000000 00000000 0000000 00000000 11010000 00000000 00000000 00000000 01000000 0000000 00111000 00000000 0000000 00001001 00000000 01000000 00000000 00100100 00000000 00100001 0000000 00000000 0000000 00000000 00000101 0000000 00000000 0000000 00000000 00000000 00000000 0000000 0000000 00000000 01000000 01000000 00000000 01000000 00000000 00000000 0000000 00000000 0000000 00000000 00000000 0000000 00000000 00000000 01000000 0000000 00000000 00000000 0000000 0000000 00000000 00000001 11111000 11111000 0000001 00000000 00000000 00000000 0000000 00000000 0000000 00000000 00000000 0000000 0000000 0000000 0000000 0000000 00000000 00000100 0000000 00000000 00000011 00000000 0000000 00111000 00000010 0000000 00000000 00000000 0000000 00000000 0000000 00000010 01000000 0000000 00000000 0000000 0000000 00000010 01000000 00000000 00000000 0000000 0000000 0000000 0000000

. . .

```
#include <iostream>
int main()
{
    std::cout << "hello, world" << std::endl;
}</pre>
```

print("hello, world")

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

put "hello, world"

(print "hello, world")

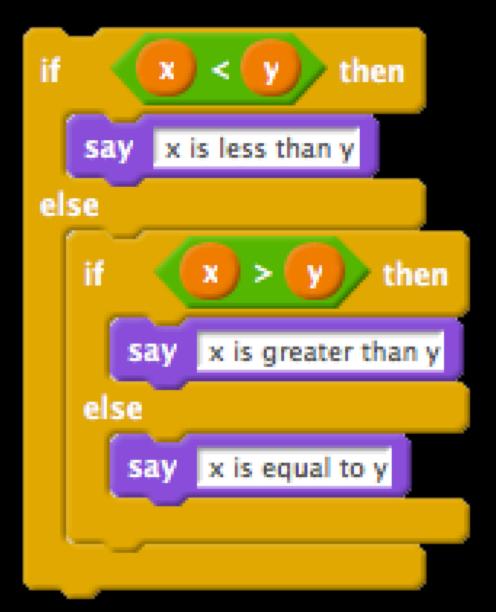
console.log("hello, world")

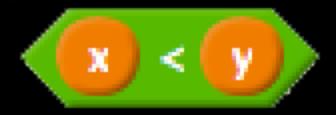


say hello, world











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- 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

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