

# CS 222: Programming Languages

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```
    print("Welcome!")  
    printf("Welcome!\n");  
System.out.println("Welcome!");  
    main = putStrLn "Welcome!"
```

# What's your favorite programming language?

- Python
- C
- C++
- Objective-C
- Ruby
- Perl
- BASIC
- Swift
- Java
- HTML
- JavaScript
- TypeScript
- Rust
- PHP

# What is a programming language?

- A formal language for describing computation?
- A “user interface” to a computer?
- Syntax + semantics?
- A tool to support a programming paradigm?

A programming language is a notational system for describing computation in a **machine-readable** and **human-readable** form.

# Administrative info

- MS Teams
- Course website
- Syllabus
- Piazza
- Moodle