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Preview

Code

Blame

266 lines (186 loc) · 4.63 KB

Raw



Helloworld Programs

Hello, World!

We list below Helloworld programs for different programming languages, i.e. programs that print "Hello, World!". The specified compiler or interpreter is required for each programming languages.

The table below summarizes the programs:

Language	Language (Spec) Site	Section	Build / Run Toolchain	Debian / Ubuntu Packages
C	The Standard - C	C	GCC	build-essential
C++	The Standard - C++	C++	GCC / G++	build-essential , g++
Dlang	D Programming Language: Home	Dlang	GCC / GDC	build-essential , gdc
Go	The Go Programming Language	Go	Go	golang
Rust	Rust Programming Language	Rust	Rust (Crate)	rustlang
Java	Java Programming Language	Java	JDK	openjdk-17-jdk
x86_64 assembly	x86 and amd64 instruction reference	x86_64 Assembly	GCC / GAS	build-essential
ARM64 assembly	Arm A64 Instruction Set Architecture	ARM64 Assembly	GCC / GAS (AArch64)	build-essential
Bash	Bash Reference Manual	Bash	Bash	bash
Python	Welcome to Python.org	Python	Python	python
Ruby	Ruby Programming Language	Ruby	Ruby	ruby
PHP	PHP: Hypertext Preprocessor	PHP	PHP	php
Perl	The Perl Programming Language	Perl	Perl	perl
Lua	The Programming Language Lua	Lua	Lua	lua

C

```
#include <stdio.h>

int main(void)
{
    puts("Hello, World!");
    return 0;
}
```



Build with:

```
gcc -Wall -o helloworld helloworld.c
```



Run with:

```
./helloworld
```



C++

```
#include <iostream>

int main()
{
    std::cout << "Hello, World!" << std::endl;
    return 0;
}
```



Build with:

```
g++ -Wall -o helloworld helloworld.cpp
```



Run with:

```
./helloworld
```



Dlang

```
import std.stdio;

void main()
{
    writeln("Hello, World!");
}
```



Build with:

```
gdc -Wall -o helloworld helloworld.cpp
```



Run with:

```
./helloworld
```



Go

```
package main

import "fmt"

func main() {
    fmt.Println("Hello, World!")
}
```



Build and run with:

```
go run helloworld.go
```



Rust

```
fn main() {
    println!("Hello, World");
}
```



Build with:

```
rustc hello.rs
```



Run with:

```
./helloworld
```



Java

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



Build with:

```
javac HelloWorld.java
```



Run with:

```
java HelloWorld
```



x86_64 Assembly



Build with:

```
TODO
```



Run with:



```
./helloworld
```

TODO

ARM64 Assembly



Build with:

```
TODO
```



Run with:

```
./helloworld
```



Bash

```
echo "Hello, World!"
```



Run with:

```
bash helloworld.sh
```



Python

```
print("Hello, World!")
```



Run with:

```
python helloworld.py
```



Ruby

```
puts "Hello, World!"
```



Run with:

```
ruby helloworld.rb
```



PHP

```
<?php  
echo "Hello, World!"  
?>
```



Run with:

```
./helloworld
```



Perl

```
print("Hello, World!\n")
```



Run with:

```
perl helloworld.pl
```



Lua

```
print("Hello, World!")
```



Run with:

```
lua helloworld.lua
```

