HELLO WORLD PROGRAMS

A collection of the (in)famous "Hello World" program in a number of famous computer languages

Ordered in a roughly chronological manner

IBM – 370 ASSEMBLY

ITLE 'Hello World for IBM Assembler/370 (VM/CMS)'

HELLO   START

BALR 12,0

USING *,12

*

WRTERM 'Hello World!'

*

SR   15,15

BR   14

*

END   HELLO

FORTRAN

```
C     Hello World in Fortran

      PROGRAM HELLO
      WRITE (*,100)
      STOP
  100 FORMAT (' Hello World! ' /)
      END
```

COBOL

```
      * Hello World in COBOL
*****************************

IDENTIFICATION DIVISION.

PROGRAM-ID. HELLO.

ENVIRONMENT DIVISION.

DATA DIVISION.

PROCEDURE DIVISION.

MAIN SECTION.

DISPLAY "Hello World!"

STOP RUN.

*****************************
```

LISP

```lisp
;;; Hello World in Common Lisp

(defun helloworld ()
  (print "Hello World!")
)
```

ALGOL - 60

```
'BEGIN'
   'COMMENT' Hello World in Algol 60;
    OUTPUT(4,'(''('Hello World!')',/')')
'END'
```

PASCAL

```pascal
{Hello World in Pascal}


program HelloWorld(output);
begin
  WriteLn('Hello World!');
end.
```

C (The Original)

```c
#include <stdio.h>
main() {
    printf("Hello, World\n");
}
```

SMALLTALK

"Hello World in Smalltalk (in an own window)"

"(to be entered in a special browser)"

VisualComponent subclass: #HelloWorldView

instanceVariableNames: ''

classVariableNames: ''

poolDictionaries: ''

category: 'test'

displayOn: aGraphicsContext

'Hello World!' asComposedText displayOn: aGraphicsContext.

open

|window|

window := ScheduledWindow new.

window label: 'Hello World Demo:'.

window component: self new.

window open.

C++

```cpp
// Hello World in C++ (pre-ISO)
#include <iostream.h>

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

AWK

```awk
# Hello World in awk
BEGIN {
  print "Hello World!"
  exit
}
```

PERL

```perl
# Hello world in perl

print "Hello World!\n";
```

Tcl

```
#!/usr/local/bin/tclsh

# Hello World in Tcl

puts "Hello World!"
```

Tk

```
#!/usr/local/bin/wish -f
# Hello World in Tk

label .l -text "Hello World!"
pack .l
```

PHP

```php
<?php
 // Hello World in PHP
 echo 'Hello World!';
?>
```

POSTSCRIPT

%% Hello World in Console PostScript

serverdict begin 0 exitserver

/Courier findfont

48 scalefont setfont

22 22 moveto

(Hello World!) show

showpage

%% End

JAVA

```java
// Hello World in Java

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

C#

```csharp
// Hello World in Microsoft C# ("C-Sharp").

using System;

class HelloWorld
{
    public static int Main(String[] args)
    {
        Console.WriteLine("Hello, World!");
        return 0;
    }
}
```

SCHEME

```scheme
; Hello World in Scheme

(display "Hello, world!")
(newline)
```

BASIC

```
10 REM Hello World in BASIC
20 PRINT "Hello World!"
```

PYTHON

- Print "Hello World!"

ADA

- with Text_IO;
- procedure Hello_World is
-
- begin
-   Text_IO.Put_Line("Hello World!");
- end Hello_World;

JAVASCRIPT

```html
<html>
<body>
<script language="JavaScript"
  type="text/javascript">
// Hello World in JavaScript
document.write('Hello World');
</script>
</body>
</html>
```