

```
1: // $Id: hello.c,v 1.5 2013-09-25 14:19:56-07 - - $
2:
3: //
4: // NAME
5: //     hello - the canonical hello world program
6: //
7: // SYNOPSIS
8: //     hello
9: //
10: // DESCRIPTION
11: //     Prints the message "Hello, world!"
12: //
13:
14: #include <libgen.h>
15: #include <stdio.h>
16: #include <stdlib.h>
17:
18: int main (int argc, char **argv) {
19:     if (argc != 1) {
20:         fprintf (stderr, "Usage: %s\n", basename (argv[0]));
21:         exit (EXIT_FAILURE);
22:     }
23:     printf ("Hello, World!\n");
24:     return EXIT_SUCCESS;
25: }
26:
27: /*
28: //TEST// ./hello >hello.out1 2>hello.err1; echo status = $? >hello.exit1
29: //TEST// morecat hello.out1 hello.err1 hello.exit1 >hello.lis1
30: //TEST// rm hello.out1 hello.err1 hello.exit1
31: //TEST// ./hello goodbye >hello.out2 2>hello.err2; \
32: //TEST//     echo status = $? >hello.exit2
33: //TEST// morecat hello.out2 hello.err2 hello.exit2 >hello.lis2
34: //TEST// rm hello.out2 hello.err2 hello.exit2
35: //TEST// mkpspdf hello.ps hello.c* hello*.lis*
36: */
37:
```



```
1: :::::::::::::::
2: hello.out1
3: :::::::::::::::
4:      1  Hello, World!
5: :::::::::::::::
6: hello.err1
7: :::::::::::::::
8: :::::::::::::::
9: hello.exit1
10: :::::::::::::::
11:      1  status = 0
```

```
1: :::::::::::::::
2: hello.out2
3: :::::::::::::::
4: :::::::::::::::
5: hello.err2
6: :::::::::::::::
7:      1  Usage: hello
8: :::::::::::::::
9: hello.exit2
10: :::::::::::::::
11:      1  status = 1
```