

# C Bootcamp

CI Computer Girls

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# Hello World

```
1 // Includes the code from the standard (std for short)
2 // library needed to do input and output (io).
3 #include <stdio.h>
4
5 // The main function.
6 // In C, the main function returns an error code, which
7 // is an int. 0 means 'no error'.
8 int main() {
9     // printf prints its argument to the terminal.
10    printf("Hello, world!\n");
11
12    return 0;
13 }
```

# Arguments

```
1  #include <stdio.h>
2
3  int main(int argc, char** argv)
4  {
5      // argc is always at least 1, because
6      // the first argument value is the program name
7      if (argc < 2) {
8          fprintf(stderr, "Usage: %s <name>\n", argv[0]);
9          return -1;
10     }
11
12     fprintf(stdout, "Hello, %s!\n", argv[1]);
13     return 0;
14 }
```

# Pointers

# Arrays

# Structs

# Headers