

Chat Export - Show hello world in c

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USER:

Show hello world in c

ASSISTANT:

Certainly! Here's a simple C program that prints "Hello, World!" to the console:

```
1 #include <stdio.h>
2
3 int main() {
4     printf("Hello, World!\n");
5     return 0;
6 }
```

Explanation:

1. `##include <stdio.h>`: This line includes the standard input-output library, which is necessary for using the `printf` function.
2. `int main()`: This is the main function where the execution of the program begins.
3. `printf("Hello, World!\n ")`: This line prints "Hello, World!" followed by a newline to the console.
4. `return 0;`: This indicates that the program has executed successfully.

How to Compile and Run:

1. Save the code in a file named `hello.c`.
2. Open a terminal and navigate to the directory where you saved the file.
3. Compile the code using a C compiler (like `gcc`):

```
1 gcc hello.c -o hello
```

4. Run the compiled program:

```
1 ./hello
```

You should see the output:

```
1 Hello, World!
```