

Print Hello World

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1. Create new folders and files
2. Write source code
3. Compile source code
4. Run the executable file

Use the GCC compiler to compile the source code and print the HelloWorld string in the terminal.

1. Create new folders and files

```
mkdir Demo
cd Demo/
nano HelloWorld.c
```

2. Write source code

Add the following code to the newly created HelloWorld.c file:

```
// This is the first program

#include <stdio.h>

int main(void)
{
    printf("Hello world!\n");

    return 0;
}
```

Hold down Ctrl+X, enter Y, then press Enter to save and exit!

3. Compile source code

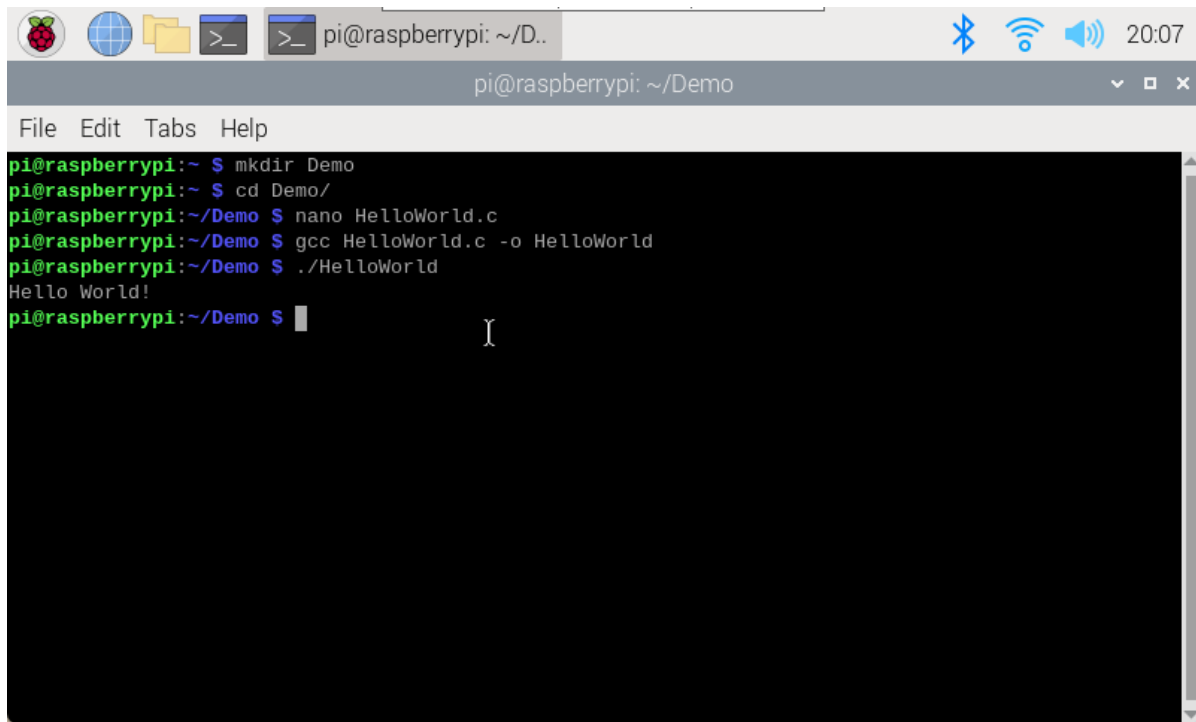
Compile HelloWorld.c using GCC and name the resulting executable HelloWorld:

```
gcc HelloWorld.c -o HelloWorld
```

4. Run the executable file

```
./HelloWorld
```

The above are the steps to write, compile source code and generate executable files!



A terminal window on a Raspberry Pi. The window title is 'pi@raspberrypi: ~/D..'. The menu bar includes 'File', 'Edit', 'Tabs', and 'Help'. The terminal shows the following commands and output:

```
pi@raspberrypi:~ $ mkdir Demo
pi@raspberrypi:~ $ cd Demo/
pi@raspberrypi:~/Demo $ nano HelloWorld.c
pi@raspberrypi:~/Demo $ gcc HelloWorld.c -o HelloWorld
pi@raspberrypi:~/Demo $ ./HelloWorld
Hello World!
pi@raspberrypi:~/Demo $
```

The cursor is at the end of the last command line.