

# C language environment construction

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## C language environment construction

1. Install Nano editor
2. Install the GCC compiler

It is recommended to enter the installation command to try the following tools. If it is not installed, install it again!

## 1. Install Nano editor

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Nano is a text editor with an easy-to-use user interface and supports basic text editing functions such as copy, paste, search, replace, etc.

- Installation command

```
sudo apt-get install nano
```

- Usage: sudo nano <file\_name>

Example: Create a new Demo.txt file and edit it

```
sudo nano Demo.txt
```



## 2. Install the GCC compiler

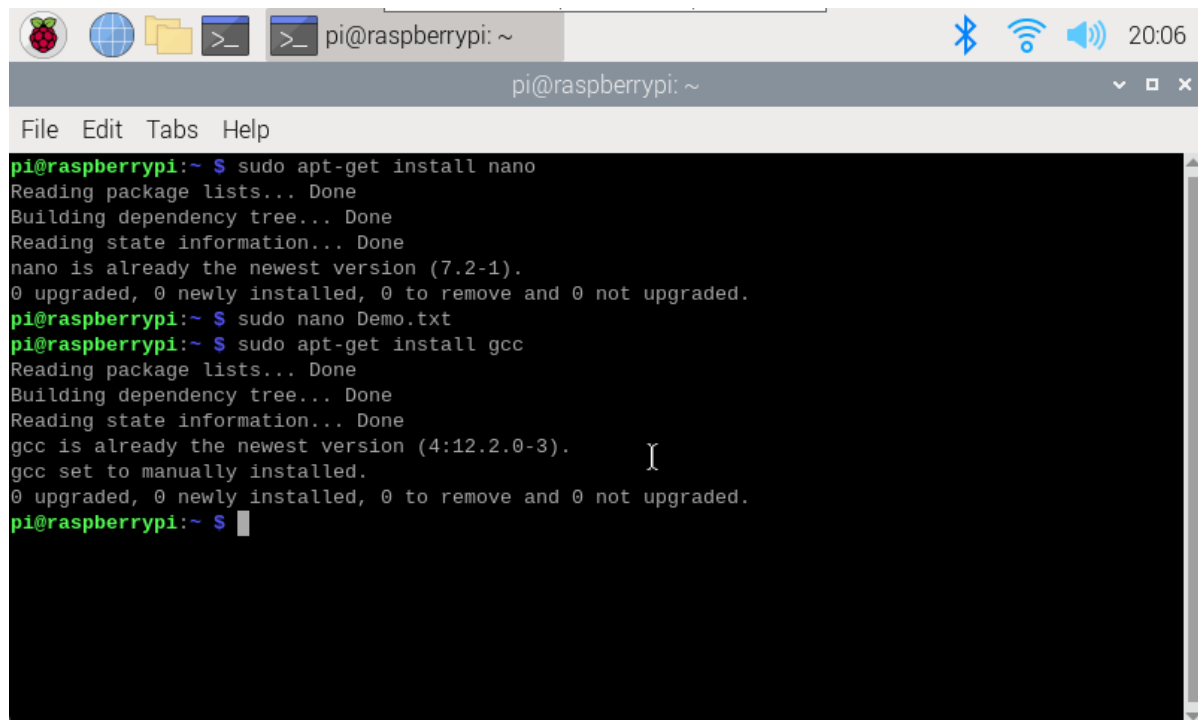
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GCC is the abbreviation of GNU Compiler Collection, a compiler suite developed by GNU; due to its open source and cross-platform features, GCC is widely used to develop various types of software, including operating systems, applications, embedded systems, etc. .

- Installation command

```
sudo apt-get install gcc
```

Later tutorials will demonstrate how to compile using GCC!



The screenshot shows a terminal window titled 'pi@raspberrypi: ~'. The window has a menu bar with 'File', 'Edit', 'Tabs', and 'Help'. The terminal output shows the following commands and their results:

```
pi@raspberrypi:~ $ sudo apt-get install nano
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
nano is already the newest version (7.2-1).
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
pi@raspberrypi:~ $ sudo nano Demo.txt
pi@raspberrypi:~ $ sudo apt-get install gcc
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
gcc is already the newest version (4:12.2.0-3).
gcc set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
pi@raspberrypi:~ $
```