

# How to compile C++ program with terminal in MacOS

Yi Chen



搜尋



Safari



郵件



聯絡資訊



行事曆



提醒事項



備忘錄



地圖



訊息



FaceTime



Photo Booth



照片



iTunes



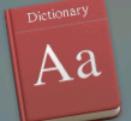
書籍



App Store



預覽程式



辭典



計算機



Other



指揮中心



儀表板



系統偏好設定



Siri



Google Chrome



Xcode



Sublime Text



Unity



Unity Bug Reporter



Visual Studio



SourceTree



Microsoft OneNote



Microsoft PowerPoint



Microsoft Excel



Microsoft Outlook



Microsoft Word



Battle.net

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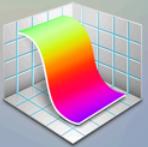
## Other



QuickTime Player



文字編輯



Grapher



時光機



字體簿



西洋棋



便條紙



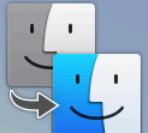
影像擷取



旁白工具程式



AirPort 工具程式



系統移轉輔助程式



終端機



活動監視器



系統監視程式



鑰匙圈存取



系統資訊



Automator



工序指令編寫程式



磁碟工具程式



啟動切換輔助程式



數位測色計



色彩同步工具程式



藍牙檔案交換程式



音訊 MIDI 設定



🏠 r07922059 — -bash — 80x24

CHENYIs-MacBook-Pro-227:~ r07922059\$

# Command

- `cd path`: 移動到某個路徑
- `ls`: 列出當前路徑的所有檔案
- `g++ file path [-o output file path]`: 編譯某個檔案，並輸出到特定路徑 (default: 在當前目錄中輸出 `a.out`)
- `./file path`: 執行程式

# Example



CHENYIs-MacBook-Pro-227:~ r07922059 — bash — 80x24

[CHENYIs-MacBook-Pro-227:~ r07922059\$ ls

Applications	Downloads	Pictures
Creative Cloud Files	Library	Public
Desktop	Movies	VirtualBox VMs
Documents	Music	scikit_learn_data

CHENYIs-MacBook-Pro-227:~ r07922059\$ █

```
[CHENYIs-MacBook-Pro-227:~ r07922059$ ls
Applications           Downloads          Pictures
Creative Cloud Files   Library           Public
Desktop                Movies            VirtualBox VMs
Documents              Music             scikit_learn_data
[CHENYIs-MacBook-Pro-227:~ r07922059$ cd Desktop/test/
CHENYIs-MacBook-Pro-227:test r07922059$ ]
```

[CHENYIs-MacBook-Pro-227:~ r07922059\$ ls  
Applications Downloads Pictures  
Creative Cloud Files Library Public  
Desktop Movies VirtualBox VMs  
Documents Music scikit\_learn\_data  
[CHENYIs-MacBook-Pro-227:~ r07922059\$ cd Desktop/test/  
[CHENYIs-MacBook-Pro-227:test r07922059\$ ls  
tmp.cpp  
CHENYIs-MacBook-Pro-227:test r07922059\$ ]

CHENYIs-MacBook-Pro-227:~ r07922059\$ ls

Applications	Downloads	Pictures
Creative Cloud Files	Library	Public
Desktop	Movies	VirtualBox VMs
Documents	Music	scikit_learn_data

CHENYIs-MacBook-Pro-227:~ r07922059\$ cd Desktop/test/

CHENYIs-MacBook-Pro-227:test r07922059\$ ls

tmp.cpp

CHENYIs-MacBook-Pro-227:test r07922059\$ g++ tmp.cpp

CHENYIs-MacBook-Pro-227:test r07922059\$

```
[CHENYIs-MacBook-Pro-227:~ r07922059$ ls
Applications           Downloads          Pictures
Creative Cloud Files   Library           Public
Desktop                Movies            VirtualBox VMs
Documents              Music             scikit_learn_data
```

```
[CHENYIs-MacBook-Pro-227:~ r07922059$ cd Desktop/test/
```

```
[CHENYIs-MacBook-Pro-227:test r07922059$ ls
```

```
tmp.cpp
```

```
[CHENYIs-MacBook-Pro-227:test r07922059$ g++ tmp.cpp
```

```
[CHENYIs-MacBook-Pro-227:test r07922059$ ls
```

```
a.out    tmp.cpp
```

```
CHENYIs-MacBook-Pro-227:test r07922059$
```

CHENYIs-MacBook-Pro-227:~ r07922059\$ ls  
Applications Downloads Pictures  
Creative Cloud Files Library Public  
Desktop Movies VirtualBox VMs  
Documents Music scikit\_learn\_data  
CHENYIs-MacBook-Pro-227:~ r07922059\$ cd Desktop/test/  
CHENYIs-MacBook-Pro-227:test r07922059\$ ls  
tmp.cpp  
CHENYIs-MacBook-Pro-227:test r07922059\$ g++ tmp.cpp  
CHENYIs-MacBook-Pro-227:test r07922059\$ ls  
a.out tmp.cpp  
CHENYIs-MacBook-Pro-227:test r07922059\$ ./a.out  
Hello World!  
CHENYIs-MacBook-Pro-227:test r07922059\$

```
[CHENYIs-MacBook-Pro-227:~ r07922059$ ls
Applications           Downloads          Pictures
Creative Cloud Files   Library           Public
Desktop                Movies            VirtualBox VMs
Documents              Music             scikit_learn_data
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CHENYIs-MacBook-Pro-227:test r07922059$ ]
```



test — bash — 80x24

```
[CHENYIs-MacBook-Pro-227:~ r07922059$ ls
Applications           Downloads          Pictures
Creative Cloud Files   Library           Public
Desktop                Movies            VirtualBox VMs
Documents              Music             scikit_learn_data
```

```
[CHENYIs-MacBook-Pro-227:~ r07922059$ cd Desktop/test/
```

```
[CHENYIs-MacBook-Pro-227:test r07922059$ ls
```

```
tmp.cpp
```

```
[CHENYIs-MacBook-Pro-227:test r07922059$ g++ tmp.cpp
```

```
[CHENYIs-MacBook-Pro-227:test r07922059$ ls
```

```
a.out    tmp.cpp
```

```
[CHENYIs-MacBook-Pro-227:test r07922059$ ./a.out
```

```
Hello World!
```

```
[CHENYIs-MacBook-Pro-227:test r07922059$ g++ tmp.cpp -o HelloWorld
```

```
[CHENYIs-MacBook-Pro-227:test r07922059$ ls
```

```
HelloWorld    a.out        tmp.cpp
```

```
CHENYIs-MacBook-Pro-227:test r07922059$
```



test — bash — 80x24

```
[CHENYIs-MacBook-Pro-227:~ r07922059$ ls
Applications           Downloads          Pictures
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[CHENYIs-MacBook-Pro-227:test r07922059$ ls
a.out    tmp.cpp
[CHENYIs-MacBook-Pro-227:test r07922059$ ./a.out
Hello World!
[CHENYIs-MacBook-Pro-227:test r07922059$ g++ tmp.cpp -o HelloWorld
[CHENYIs-MacBook-Pro-227:test r07922059$ ls
HelloWorld      a.out          tmp.cpp
[CHENYIs-MacBook-Pro-227:test r07922059$ ./HelloWorld
Hello World!
CHENYIs-MacBook-Pro-227:test r07922059$ ]
```