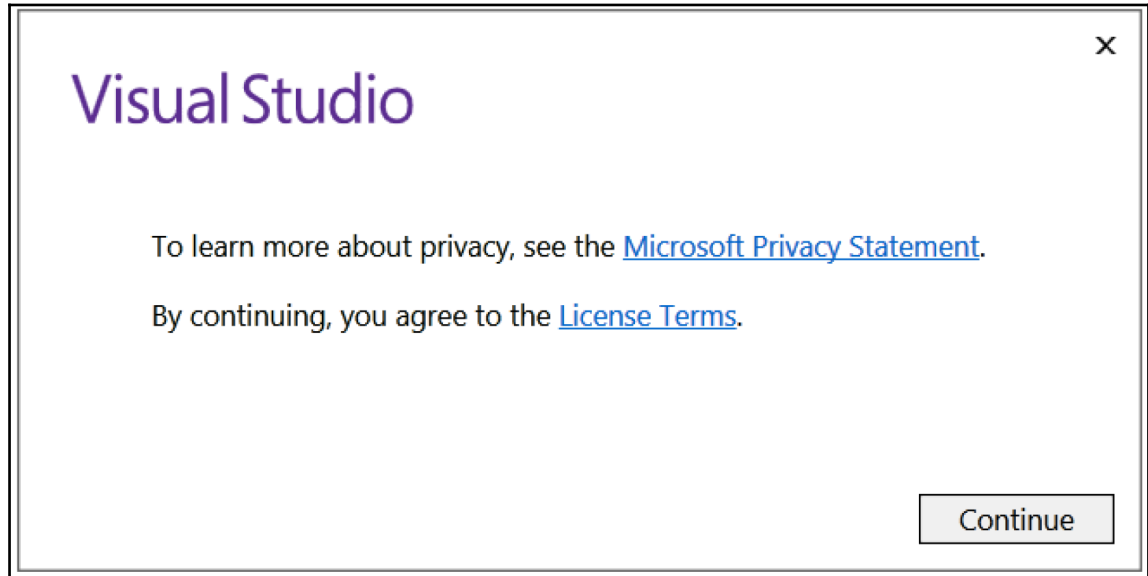
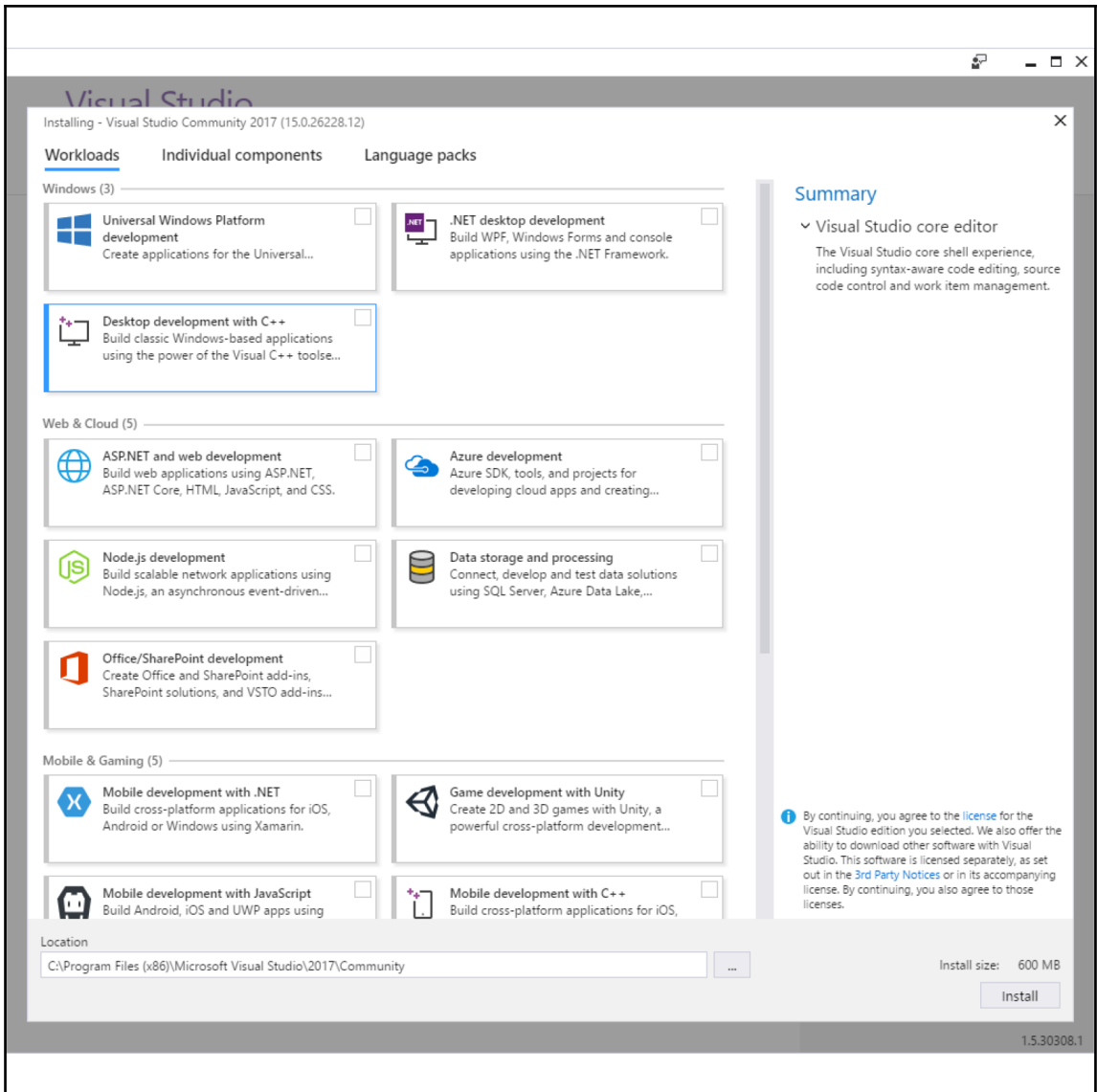
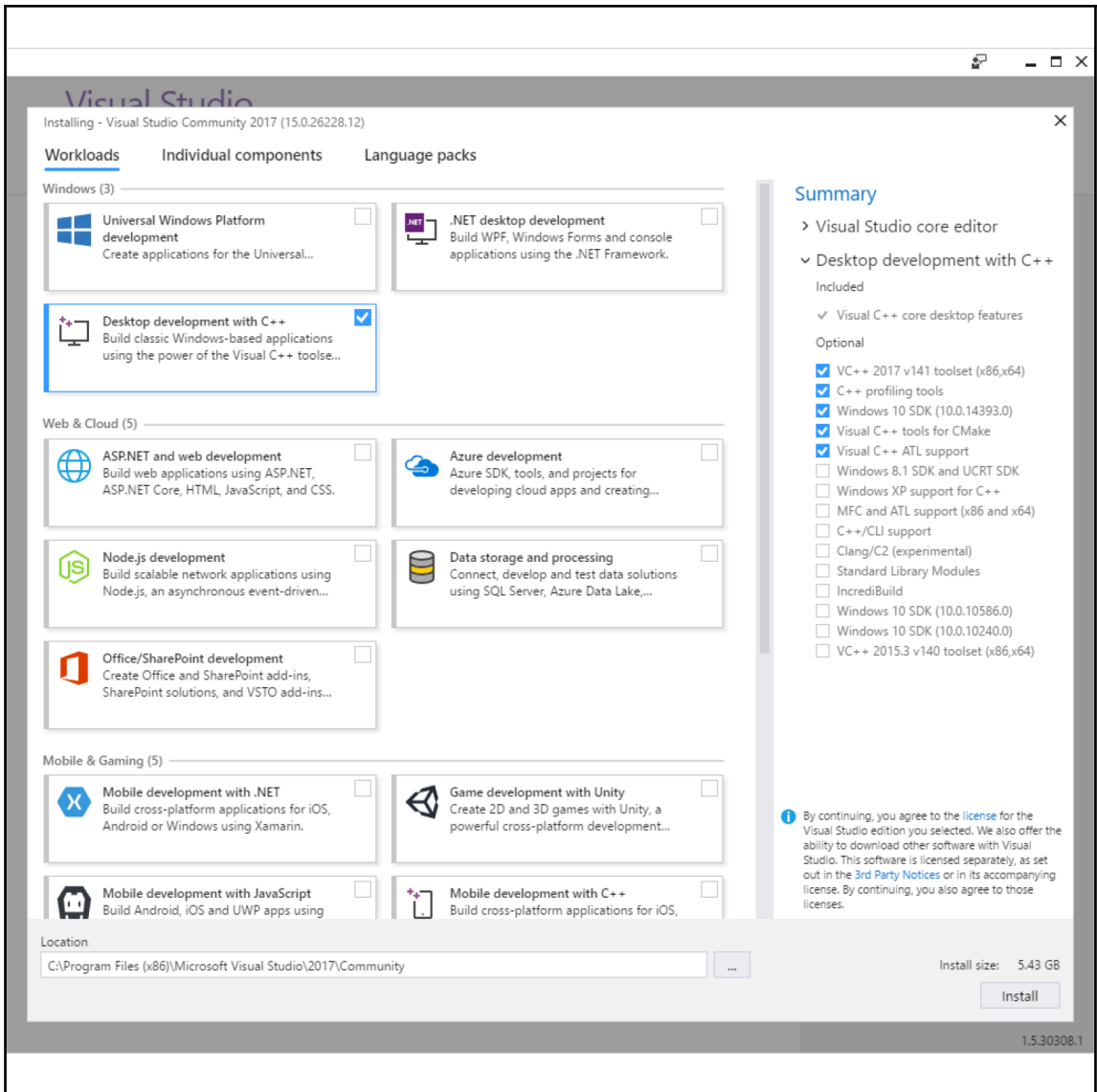


Chapter 1: Starting with C++







Visual Studio

Products

Installed



Visual Studio Community 2017

Acquiring Microsoft.VisualStudio.CoreEditor

1%

Applying Microsoft.VisualStudio.Setup.Configuration

0%

Cancel

Available



Visual Studio Enterprise 2017

Microsoft DevOps solution for productivity and coordination across teams of any size

[License terms](#) | [Release notes](#)

(15.0.26228.12)

Install



Visual Studio Professional 2017

Professional developer tools and services for small teams

[License terms](#) | [Release notes](#)

(15.0.26228.12)

Install

Welcome!

We invite you to go online to hone your skills and find additional tools to support your development workflow.

Learn

Whether you're new to development or an experienced developer, we have you covered with our tutorials, videos, and sample code.

Marketplace

Use Visual Studio extensions to add support for new technologies, integrate with other products and services, and fine-tune your experience.

Need some help?

Check out the [Microsoft Developer Community](#) where developers provide feedback and answers to many common problems.

Get help from Microsoft at [Visual Studio Support](#)

1.5.30308.1

Visual Studio

Products

Installed



Visual Studio Community 2017

Free, fully-featured IDE for students, open-source and individual developers

[Release notes](#)

(15.0.26228.12)

Modify

Launch



Available



Visual Studio Enterprise 2017

Microsoft DevOps solution for productivity and coordination across teams of any size

[License terms](#) | [Release notes](#)

(15.0.26228.12)

Install



Visual Studio Professional 2017

Professional developer tools and services for small teams

[License terms](#) | [Release notes](#)

(15.0.26228.12)

Install

Welcome!

We invite you to go online to hone your skills and find additional tools to support your development workflow.

Learn

Whether you're new to development or an experienced developer, we have you covered with our tutorials, videos, and sample code.

Marketplace

Use Visual Studio extensions to add support for new technologies, integrate with other products and services, and fine-tune your experience.

Need some help?

Check out the [Microsoft Developer Community](#) where developers provide feedback and answers to many common problems.

Get help from Microsoft at [Visual Studio Support](#)



Visual Studio

Welcome!

Connect to all your developer services.

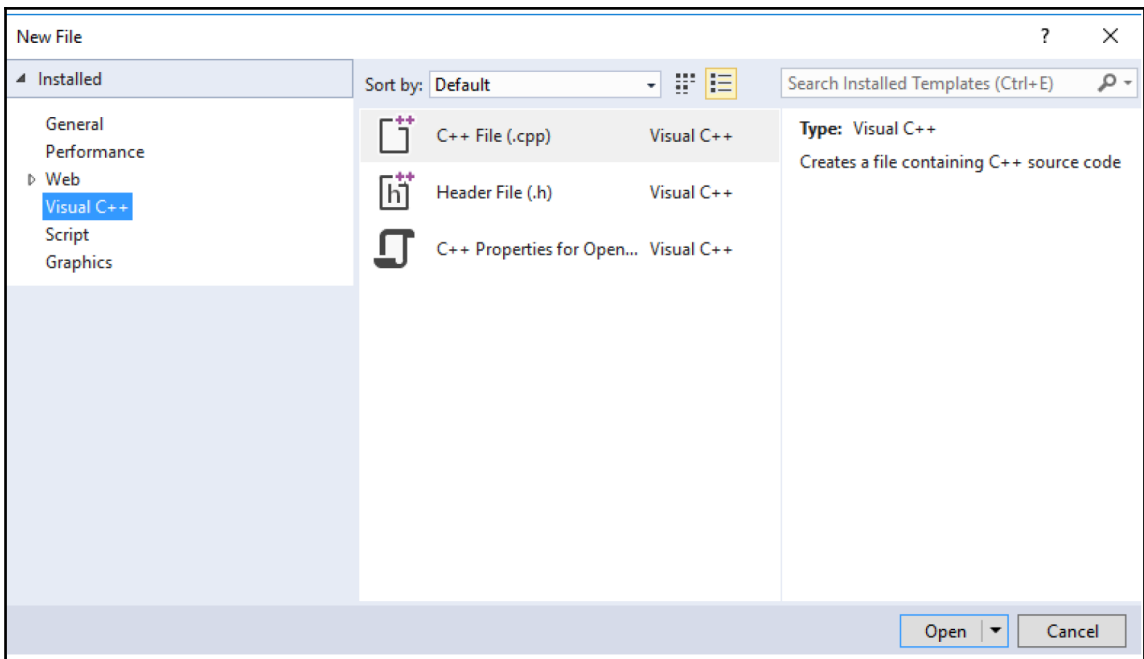
Sign in to start using your Azure credits, publish code to a private Git repository, sync your settings, and unlock the IDE.

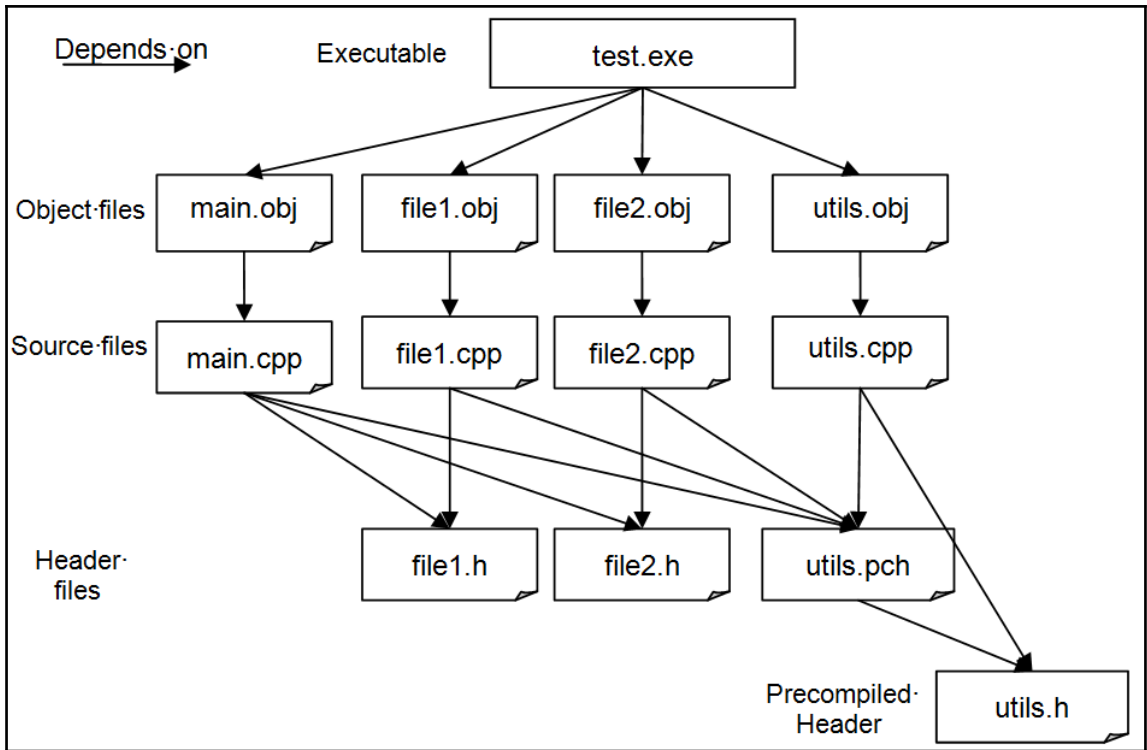
[Learn more](#)

Sign in

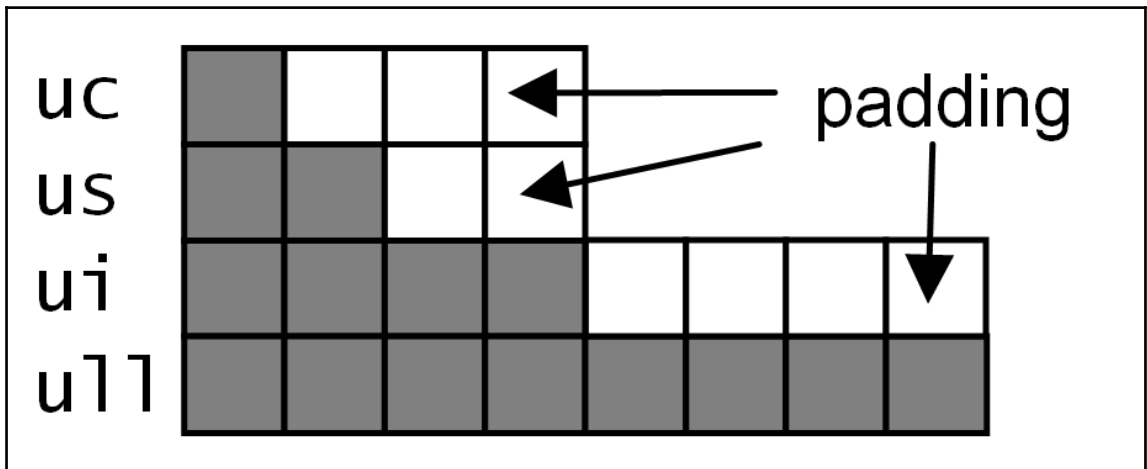
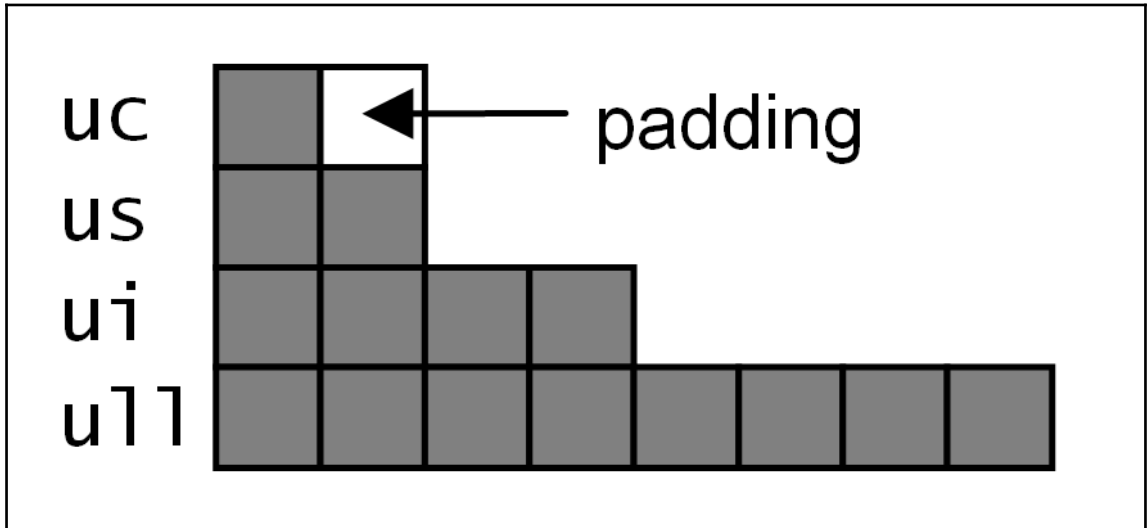
Don't have an account? [Sign up](#)

[Not now, maybe later.](#)





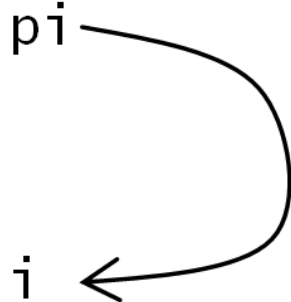
Chapter 3: Exploring C++ Types



```
Developer Command Prompt for VS2015
C:\Beginning_C++\Chapter_03>hexdump hexdump.exe 10
4d 5a 90 00 03 00 00 00 04 00 00 00 ff ff 00 00 MZ.....
b8 00 00 00 00 00 00 00 40 00 00 00 00 00 00 00 .....@.....
00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 .....
00 00 00 00 00 00 00 00 00 00 00 00 00 01 00 00 .....
0e 1f ba 0e 00 b4 09 cd 21 b8 01 4c cd 21 54 68 .....!.L.!Th
69 73 20 70 72 6f 67 72 61 6d 20 63 61 6e 6e 6f is program canno
74 20 62 65 20 72 75 6e 20 69 6e 20 44 4f 53 20 t be run in DOS
6d 6f 64 65 2e 0d 0d 0a 24 00 00 00 00 00 00 00 mode....$.
2b c4 3f 01 6f a5 51 52 6f a5 51 52 6f a5 51 52 +.?..o.QRo.QRo.QR
db 39 a0 52 62 a5 51 52 db 39 a2 52 fa a5 51 52 .9.Rb.QR.9.R..QR

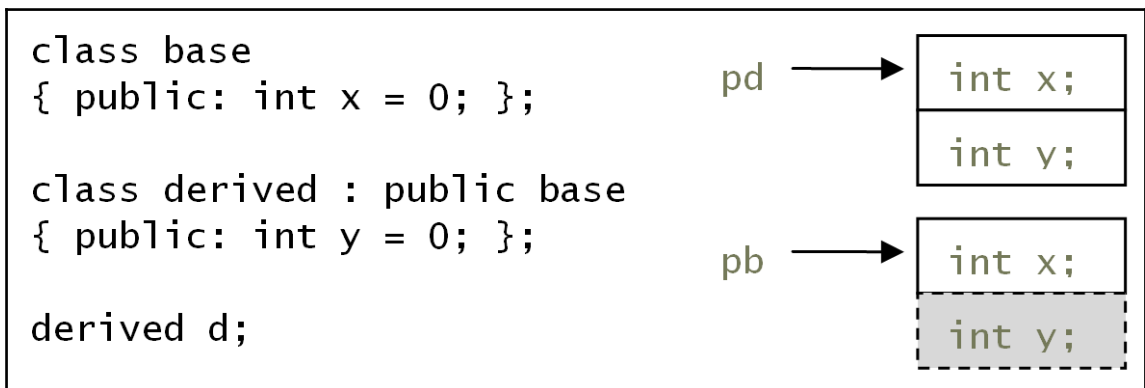
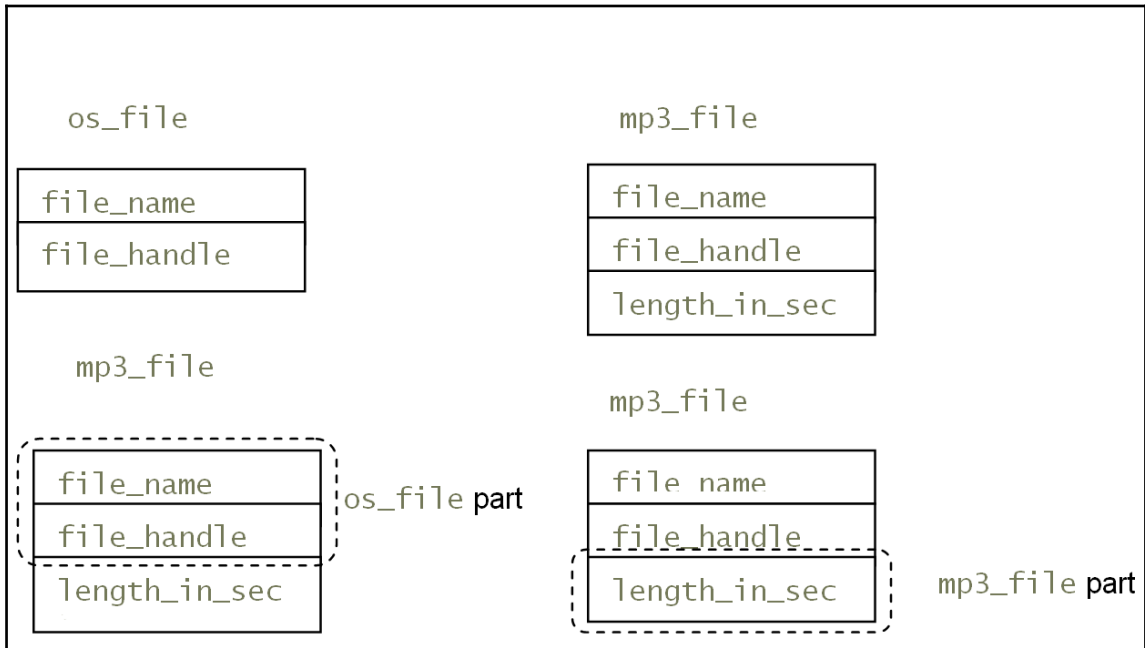
C:\Beginning_C++\Chapter_03>
```

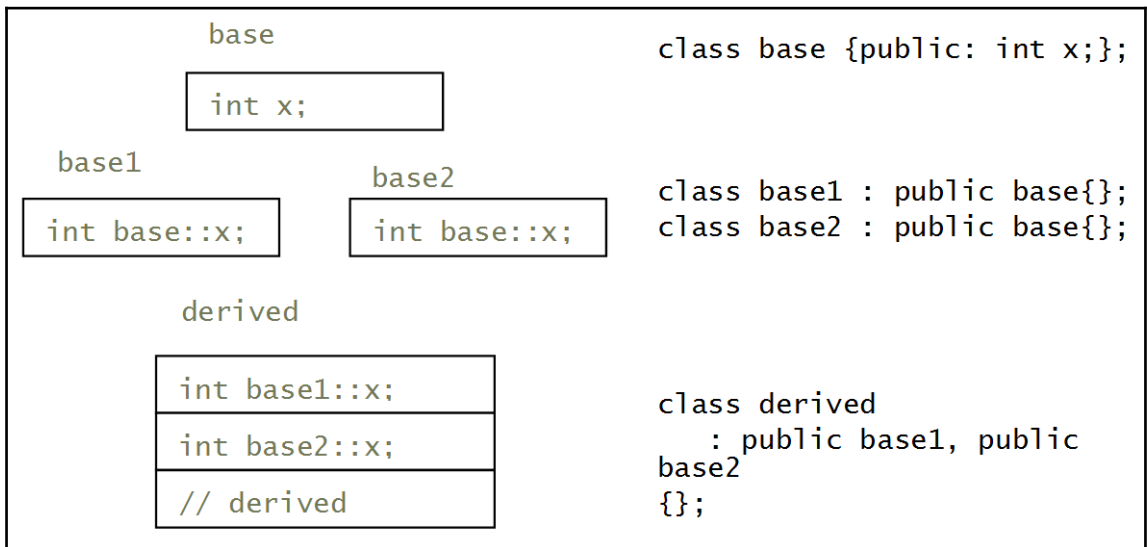
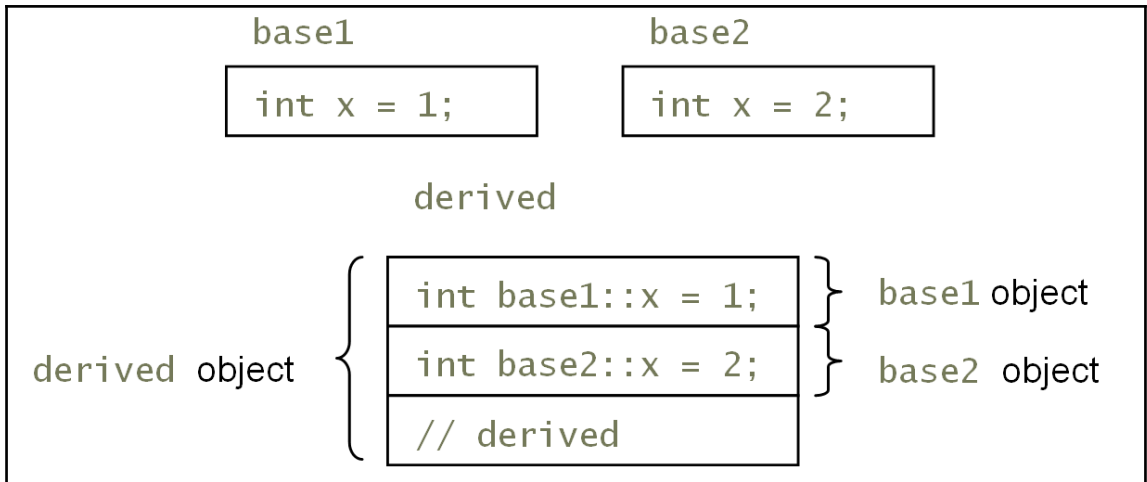
Chapter 4: Working with Memory, Arrays, and Pointers

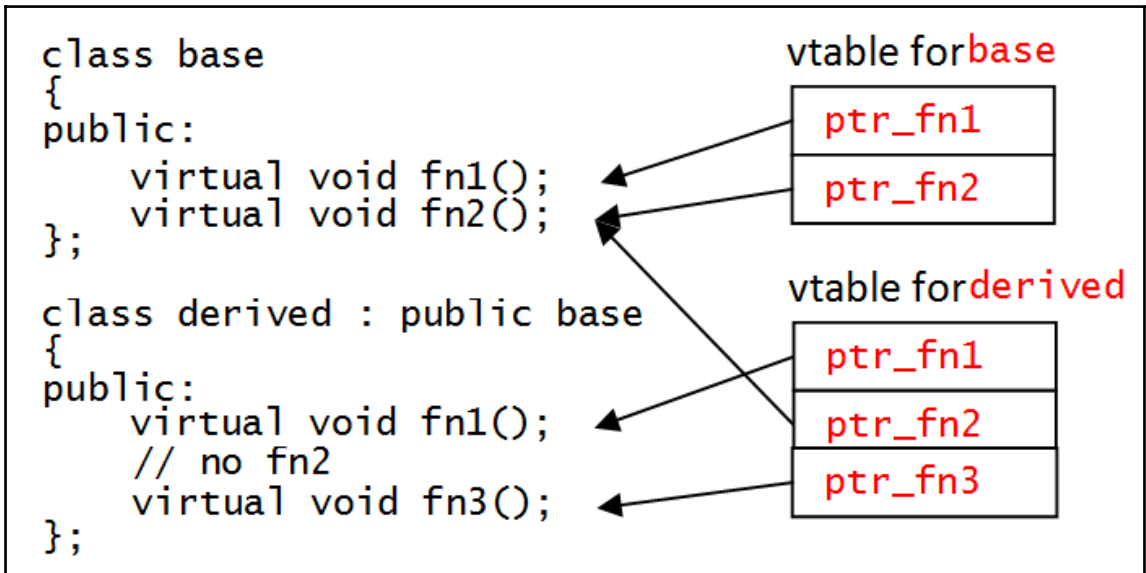
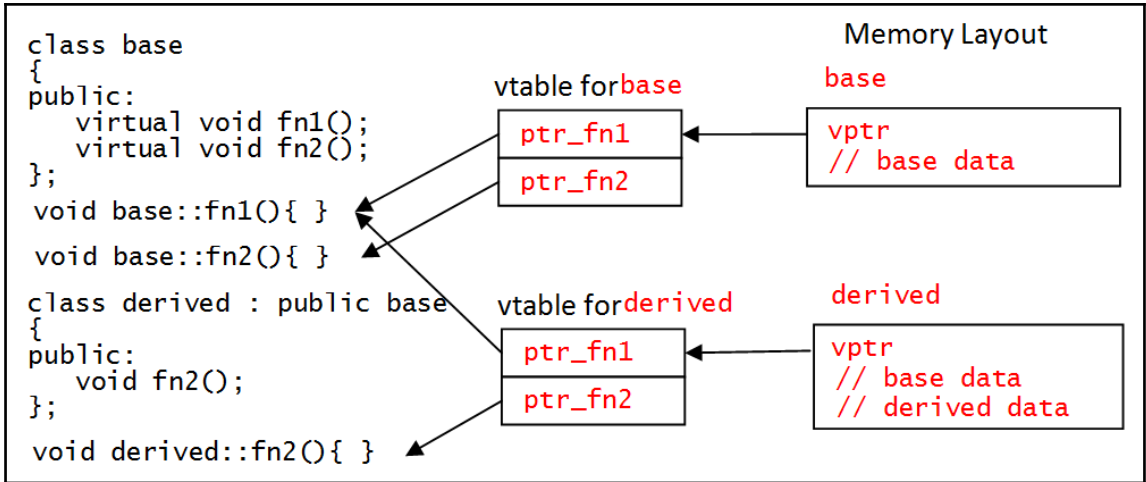
Memory-Address	Contents	Variable
007ef880	8c f8 7e 00	<i>p</i> <i>i</i> 
007ef884		
007ef888		
007ef88c	2a 00 00 00	

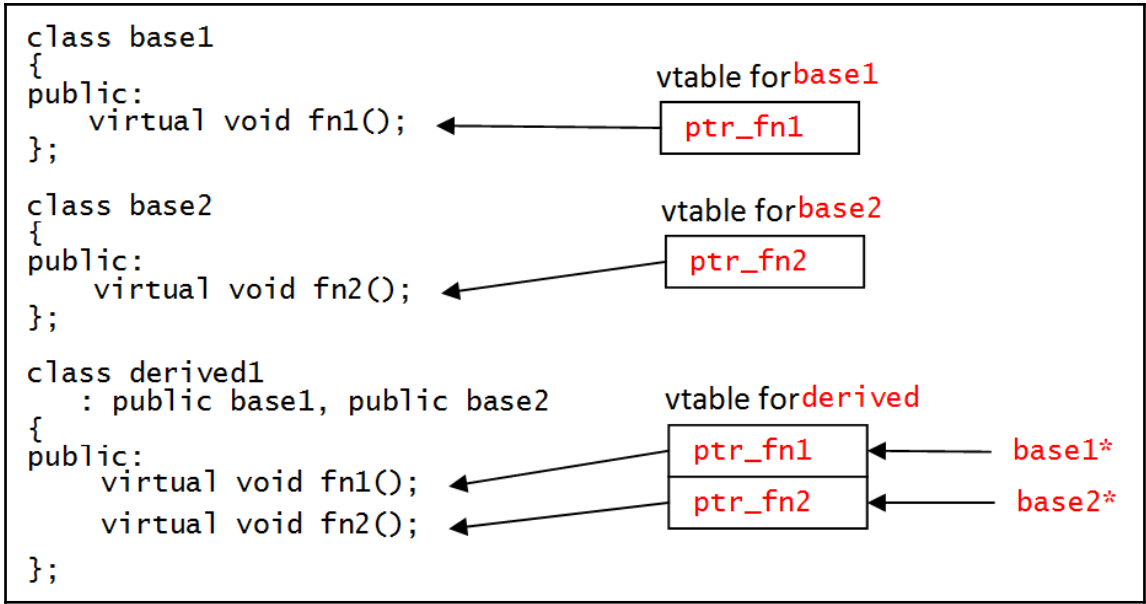
Before		After	
<i>pv</i> →	01 00 00 00	<i>pv</i> →	0b 00 00 00
	02 00 00 00	<i>v</i> [1] →	0c 00 00 00
	03 00 00 00	<i>pv</i> [2] →	0d 00 00 00
	04 00 00 00	(<i>pv</i> + 3) →	0e 00 00 00
	05 00 00 00		05 00 00 00

Chapter 7: Introduction to Object-Orientated Programming









Chapter 8: Using the Standard Library Containers

