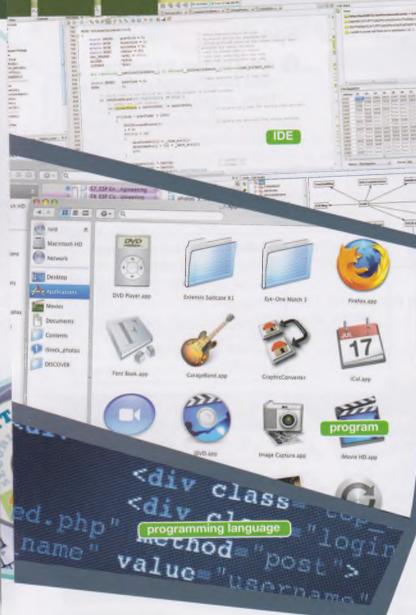
7 Programming Software



Get ready!

- Before you read the passage, talk about these questions.
 - 1 How do programmers create new programs?
 - 2 What kinds of software helps programmers write new programs?

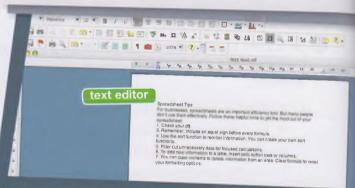
Reading

- 2 Read the textbook chapter. Then, mark the following statements as true (T) or false (F).
 - Programmers use text editors to interpret commands.
 - 2 __ Text editors are a type of source code editor.
 - **3** __ An IDE is the most basic type of programming software.

Chapter 7 Programming Software

Programming software allows programmers to develop new **programs**. The most basic programming software is a **source code editor**. These programs are usually basic **text editors**. Programmers use them to enter lines of code into a computer. Lines of code are written in a **programming language**. Programmers use this to write series of commands. When executed *together*, these commands form a complete program.

Other **programming software** are more complex. An **IDE** (integrated development environment) provides tools for writing programs. These usually include a text editor and a **debugger**. Other tools may include a **linker**, a **compiler**, or an **interpreter**.



Vocabulary

- 3 Match the words (1-6) with the definitions (A-F).
 - 1 source code editor
 - 2 _ program
 - 3 programming language
 - 4 __ programming software
 - 5 __ interpreter
 - 6 _ compiler
 - **A** any software that supports the development of new applications
 - **B** a series of operations that control the functions of a computer
 - C codes used to write commands to a computer
 - **D** an application that decodes instructions written in other languages
 - **E** something that reads and executes other programs
 - F software used to enter lines of coded text



Speaking

8 With a partner, act out the

1 text editor / IDE A A(n) usually provides programmers	roles below based on Task 7. Then, switch roles.	
with various tools for writing programs.	USE LANGUAGE SUCH AS:	
B A(n) is a basic program for entering commands and code into a computer.	Can you help me with	
2 debugger / linker	I'm having some trouble	
A A provides links to additional information needed for programs to run.	I was under the impression	
B A finds and corrects errors in code.	Student A: You are a student. Talk to Student B about:	
Solution Listen and read the textbook chapter again. What tools does an IDE provide?	terms you are confused aboutwhat you thought the terms	
Listening	meant	
Choose the correct answers.	what the terms actually mean	
 What is the conversation mostly about? A how to interpret instructions in programming code B the difference between two types of computer programs 	Student B: You are a student. Talk to Student A about terms that he or she is confused about.	
C techniques for entering code into a text editor D the importance of learning different programming languages According to the woman, what is sometimes needed to run programs correctly?	Writing 9 Use the conversation from Task 8 to complete the workbook exercise.	
A using a linker and a compiler together B allowing programs to connect to the internet C writing new instructions in a programming language D translating lines of code into a different programming language	Explain the difference between each set of terms:	
Listen again and complete the conversation.	Debugger /: A debugger is used for finding	
Swdent 1: Can you help me with something? Swdent 2: Sure. What is it? Swdent 1: I'm confused 1 between linkers and compilers.	and correcting errors in code. A(n) is used for	
Sudent 2: Okay. Well, 2 a program to information it needs from other programs.	2/ text editor:	
Sudent 1: Wait, I thought an 3 did that.	A(n) is used	
Sudent 2: No. An interpreter just 4so the program can run.	for	
Student 1: Okay. So then a compiler is 5 program instructions.	A text editor is used to enter lines of code and create	
Student 2: Exactly. It translates information from different 6	programs.	

Read the sentence pairs. Choose which word or phrase

best fits each blank.

Student 1: I get it now. Thanks.

Get ready!

- 1 Before you read the passage, talk about these questions.
 - 1 What types of application software do businesses typically use?
 - What types of application software do people typically use at home?

ShorSoft Software Developers

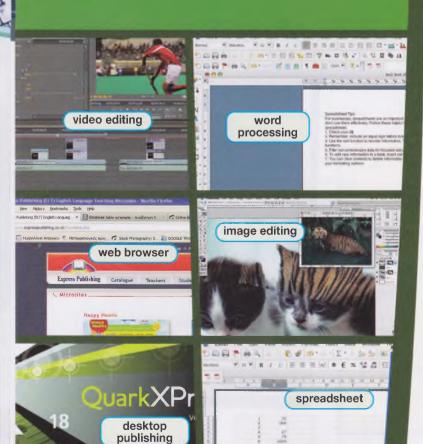
We are the most trusted name in **application software**. Our software will enhance any project.

Our **office suite** comes standard with **word processing** software. You can also add our optional **accounting** software. Our **spreadsheets** will keep your household or small business organized.

Do you own a large company? Get ShorSoft Deluxe. This **enterprise software** has everything you need to manage your business.

ShorSoft's **desktop publishing** software is very userfriendly. It allows users to create prints and web layouts. It even optimizes documents for different **web browsers**.

We also offer **video editing** and **image editing** software. Preserve your family memories with high-quality videos and photos.



Reading

- 2 Read the advertisement. Then, choose the correct answers.
 - 1 What kind of software is available to add on to the office suite?
 - A video editing software
 - B word processing software
 - C accounting software
 - D desktop publishing software
 - **2** Which of the following is NOT offered by the company?
 - A web browsers
 - B image editors
 - C accounting software
 - **D** word processing programs
 - **3** What is a feature of the company's desktop publishing software?
 - A It keeps track of household information.
 - **B** It comes standard with word processing software.
 - **C** It makes documents easy to read on webpages.
 - **D** It allows high-quality photo and video preservation.

Vocabulary

- 3 Choose the sentence that uses the underlined part correctly.
 - **1 A** Application software can mean many different types of software.
 - **B** <u>Desktop publishing</u> software is used to keep track of purchases and expenses.
 - 2 A Users can edit videos and photos with word processing software.
 - **B** Books and brochures are designed with desktop publishing software.
 - 3 A <u>Application software</u> allows users to view web pages.
 - **B** Text documents are produced with word processing software.
 - **4 A** <u>Video editing</u> software lets users create movies on their computers.
 - **B** Spreadsheets can be played on computers or other consoles.



Fill in the blanks with the correct words and phrases from the word bank.

NO.	r d BANK
	accounting office suite enterprise software image editing web browser spreadsheet
1	software records and manages transactions
2	A(n) usually includes a word processer
3	Many large corporations use to maintain consistency in all their systems.
4	software can be used to retouch
	photographs.

Solution Listen and read the advertisement again. What types of application software does the company make?

5 Users often check their email using a(n) _

6 Large sets of data can be organized into a _

Listening

- Listen to a conversation between two software engineers. Mark the following statements as true (T) or false (F).
 - 1 _ The man is excited about the accounting software.
 - 2 __ The accounting software will be included in the office suite.
 - The engineers will develop the accounting software before they update the word processor.
- Solution
 Listen again and complete the conversation.

Engineer 1:	Did you see 1 from the CEO?
Engineer 2:	Do you mean the one about the 2?
Engineer 1:	Yeah. They want a whole new program for 3 We're supposed to develop it by the end of the month.
Engineer 2:	I think that's a good idea. A lot of our customers probably use accounting anyway.
Ergineer 1:	Yeah, but I'm worried. What will that mean for the 4 in our office suite?
Engineer 2:	What do you mean?
Engineer 1:	Well, our word processor needs to 5 I'm afraid that a new program will take away from that.
Engineer 2:	think it'll be fine. Another team is scheduled to complete that update this week.

Speaking

With a partner, act out the roles below based on Task 7. Then, switch roles.

USE LANGUAGE SUCH AS:

Did you see ... / I think ...
I see what you mean, but ...

Student A: You are an engineer. Talk to Student B about:

- developments at your software company
- your concerns about the developments

Student B: You are an engineer. Talk to Student A about new developments at your software company.

Writing

Use the conversation from Task 8 to complete the company's software product index.

Product Descriptions
Use this software to perfect your photos and preserve your family memories.
Office suite:
: This software will help you keep track of your budget on a monthly or weekly basis. It's a good program to have when tax season comes.
Video editing software: