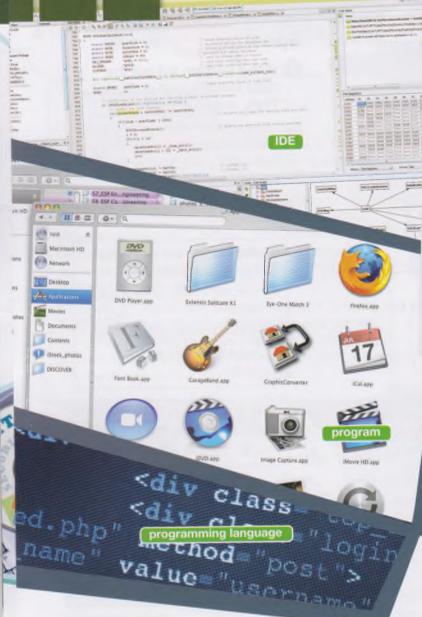
Programming Software



Get ready!

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

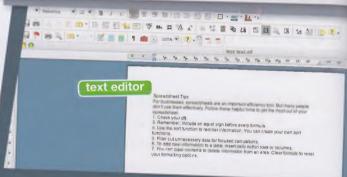
Reading

- 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

- 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

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 Aprovides links to additional	I was under the impression
information needed for programs to run.	
B Afinds 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
1 What is the conversation mostly about?	Student B: You are a student.
A how to interpret instructions in programming code	Talk to Student A about terms
B the difference between two types of computer programs	that he or she is confused about.
C techniques for entering code into a text editor	
D the importance of learning different programming languages	Writing
2 According to the woman, what is sometimes needed to run programs correctly?	9 Use the conversation from Task 8 to complete the
A using a linker and a compiler together	workbook exercise.
B allowing programs to connect to the internet	Explain the difference between
C writing new instructions in a programming language	each set of terms:
D translating lines of code into a different programming language	
	Debugger /: A debugger is used for finding
Sudent 1: Can you help me with something?	
Sudent 2: Sure. What is it?	and correcting errors in code.
Sudent 1: I'm confused 1 between	A(n)is used for
linkers and compilers.	
Sudent 2: Okay. Well, 2 a program to	
information it needs from other programs.	2/ text editor:
Student 1: Wait, I thought an 3 did that.	A(n) is used
Student 2: No. An interpreter just 4so	for
the program can run.	
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.

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