

# Technical English

for Computer Science

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Week 7

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# How Computer Viruses Work

Before reading the text, match the words and definitions listed below.

- |          |             |          |  |
|----------|-------------|----------|--|
| <b>1</b> | a detonator | <b>a</b> | a protective device  |
| <b>2</b> | an infector | <b>b</b> | to remove all traces of something                                  |
| <b>3</b> | to boot     | <b>c</b> | a device used to set off an explosion or other destructive process |
| <b>4</b> | to trigger  | <b>d</b> | to discover or recognize that something is present                 |
| <b>5</b> | to erase    | <b>e</b> | to set a process in motion   |
| <b>6</b> | pirated     | <b>f</b> | something which transmits a disease or virus                       |
| <b>7</b> | a shield    | <b>g</b> | stolen, obtained without the owner's consent                       |
| <b>8</b> | to detect   | <b>h</b> | to load the operating system into memory                           |



# How Computer Viruses Work

Decide whether the following statements are true (T) or false (F) in relation to the information in the text. If you feel a statement is false, change it to make it true.

- 1 ☐ Viruses cannot be spread through a computer network, only via floppies transported from computer to computer.
- 2 ☐ The virus will spread as soon as you put the infected floppy in your PC.
- 3 ☐ The infector works by interfering in some way with the normal use of your computer.
- 4 ☐ The detonator in Lehigh works by altering what you see on your screen.
- 5 ☐ Most viruses spread through pirated games.
- 6 ☐ You should run an antivirus program every time you use your computer.
- 7 ☐ There are not very many viruses in circulation.
- 8 ☐ Virus shields are more effective than virus scanners.

# Data Storage and Management

Before reading the text opposite, match the following words with their definitions:

- |          |                   |          |   |
|----------|-------------------|----------|---|
| <b>1</b> | logical record    | <b>a</b> | the collection of data transferred as a unit            |
| <b>2</b> | field             | <b>b</b> | the user's permitted view of the data                   |
| <b>3</b> | physical record   | <b>c</b> | the logical design of the database                      |
| <b>4</b> | internal schema   | <b>d</b> | an item of data such as a number, a name, or an address |
| <b>5</b> | external schema   | <b>e</b> | the way that the data is physically held                |
| <b>6</b> | conceptual schema | <b>f</b> | the collection of data relating to one subject          |

Before reading the text, try to answer these questions in pairs.

- 1** How many medical uses of a database can you think of?
- 2** What is a DBMS?
- 3** What is its function?

# Cross-Word

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# IT Solutions

▶ 42 Listen to six people describing problems. Complete the sentence about each speaker's problem with the words in the box.

connection error      crashes      failure  
fault      hanging      running slowly

- 1 The application is \_\_\_\_\_.
- 2 The computer \_\_\_\_\_.
- 3 There is a \_\_\_\_\_.
- 4 The computer is \_\_\_\_\_.
- 5 The speaker had a disk \_\_\_\_\_.
- 6 The speaker's mobile phone has a \_\_\_\_\_.

# IT Solutions

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Which problem in 2 means that the computer or program is still running but nothing can be typed into it?



Put these sentences in the correct order. Then listen and check your answers.

- ☐ Ah. Have you tried restarting your computer?
- ☐ Could you do that? And if you still have a problem, just call me again.
- ☐ Does it say anything else?
- ☒ 1 Hi, help desk here. My name is Suki. How can I help you?
- ☐ Er ... no, I haven't.
- ☐ OK. Can you tell me exactly what happens?
- ☐ OK. Thanks very much. I'll do that.
- ☐ Sure. When I press 'Send', I get an error message saying 'This program has found a problem and needs to close'.
- ☐ Yes, hi. I've got a problem with my email. Whenever I try to send a message, the program crashes.
- ☐ Well, something about sending an error report to the software company. Oh, and an error code: it says 'Error 35A4'.



# Translate!

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