

Technology Now Chapter 2

Introduction to Software and Apps

TRUE/FALSE

1. Every time you click an icon on your desktop, you are using software.

ANS: T PTS: 1 REF: 2-2

2. When you select a menu option, you give the computer output.

ANS: F PTS: 1 REF: 2-3

3. Web apps are stored either on the Web or on a portable storage device.

ANS: T PTS: 1 REF: 2-3

4. When you have finished working with a program, files you want to keep are usually saved automatically when you close the program.

ANS: F PTS: 1 REF: 2-3

5. If you try to remove unwanted Windows software by dragging a program icon to the Recycle Bin, you may remove the file that runs the program, but not its associated files.

ANS: T PTS: 1 REF: 2-4

6. Upgrades are more time sensitive than updates, so you should switch to the newer version as soon as possible.

ANS: F PTS: 1 REF: 2-5

7. Low-level languages include machine and assembly languages.

ANS: T PTS: 1 REF: 2-5

8. Assembly language uses 1s and 0s, or binary code, which can run directly on the processor.

ANS: F PTS: 1 REF: 2-6

9. Java is a popular high-level language for Web-based programming.

ANS: T PTS: 1 REF: 2-6

10. Application software performs computer-related operations and maintenance.

ANS: F PTS: 1 REF: 2-8

11. Embedded software is generally limited in functionality.

ANS: T PTS: 1 REF: 2-11

12. Acquiring custom software is less time consuming and expensive than purchasing packaged software.
ANS: F PTS: 1 REF: 2-12
13. Users can copy, modify, and customize open source software, with certain restrictions.
ANS: T PTS: 1 REF: 2-13
14. Microsoft Internet Explorer is a freeware program.
ANS: T PTS: 1 REF: 2-13
15. A multiple-user license allows an organization to install software on all computers at a site.
ANS: F PTS: 1 REF: 2-14
16. A software license is a contract between the software publisher and the user.
ANS: T PTS: 1 REF: 2-15
17. To perform a cold boot, use the Restart command on your PC or Mac.
ANS: F PTS: 1 REF: 2-18
18. Windows 8.x provides a free security program named Windows Defender.
ANS: T PTS: 1 REF: 2-18
19. Pirated software usually comes with authentic-looking documentation, registration cards, Certificates of Authenticity, and manuals.
ANS: F PTS: 1 REF: 2-15
20. When you purchase copyrighted software, the copyright protection remains in effect.
ANS: T PTS: 1 REF: 2-14

MODIFIED TRUE/FALSE

1. Most software uses a(n) graphical user interface. _____
ANS: T PTS: 1 REF: 2-3
2. Software publishers periodically introduce new versions, or patches, of their software with new features. _____
ANS: F, upgrades
PTS: 1 REF: 2-5
3. Software publishers often distribute beta, or test versions of their software to select users so they can help identify problems before final software is released. _____

ANS: T

PTS: 1

REF: 2-7

4. Horizontal market software is productivity software that is customized for specific industries.

ANS: F, Vertical

PTS: 1

REF: 2-10

5. A fast-growing field called informatics combines information technology with social science.

ANS: T

PTS: 1

REF: 2-12

6. Custom software matches the user's needs exactly and can be modified if those needs change.

ANS: T

PTS: 1

REF: 2-13

7. Software is produced and distributed by software programmers. _____

ANS: F, publishers

PTS: 1

REF: 2-3

8. The agile software development methodology focuses on planning and preparation to minimize changes later in the development process. _____

ANS: F, predictive

PTS: 1

REF: 2-6

9. Compilers translate assembly language into machine code. _____

ANS: F, Assemblers

PTS: 1

REF: 2-7

10. When coding software, programmers write comments to give other programmers an overview of the program. _____

ANS: T

PTS: 1

REF: 2-7

MULTIPLE CHOICE

1. ____ software controls a computer and its peripherals, such as its keyboard and mouse.
- a. System
 - b. Application
 - c. Productivity
 - d. Embedded

ANS: A

PTS: 1

REF: 2-2

2. Software is written by software ____, using computer-readable code.
- a. publishers
 - b. programmers
 - c. bots
 - d. users

b. programmers d. editors

ANS: B PTS: 1 REF: 2-2

3. Most software uses a ____ user interface.

- a. platform c. graphical
- b. utility d. command-line

ANS: C PTS: 1 REF: 2-3

4. Preinstalled software that takes up a lot of memory and disk space is called ____.

- a. Software as a Service c. shareware
- b. malware d. bloatware

ANS: D PTS: 1 REF: 2-3

5. Computers come with ____ software, software that is already on the machine.

- a. preinstalled c. Web-based
- b. loaded d. replicated

ANS: A PTS: 1 REF: 2-3

6. Increasingly, software publishers are creating ____ apps that you can use without installing them.

- a. embedded c. site
- b. portable d. interpreted

ANS: B PTS: 1 REF: 2-3

7. When you run a program or app, your computer or mobile device ____, or reads and transfers it, into memory so that you can use it.

- a. replicates c. loads
- b. inputs d. compiles

ANS: C PTS: 1 REF: 2-3

8. If you no longer use certain software, you can remove, or ____, then unwanted programs.

- a. unload c. unboot
- b. patch d. uninstall

ANS: D PTS: 1 REF: 2-4

9. Software programs are based on ____.

- a. algorithms c. platforms
- b. comments d. gadgets

ANS: A PTS: 1 REF: 2-5

10. ____ languages create source code using words and structures similar to spoken language.

- a. Low-level c. Agile
- b. High-level d. Native

ANS: B PTS: 1 REF: 2-5

11. In the software development process, software engineers and systems analysts provide input for the analysis, design, and ____ phases.

- a. documentation c. validation
- b. implementation d. testing

ANS: C PTS: 1 REF: 2-6

12. Program ____ let programmers write code using a word processing-like interface.
- a. compilers
 - b. assemblers
 - c. debuggers
 - d. editors

ANS: D PTS: 1 REF: 2-7

13. ____ translate source code from high-level languages into machine code so it can be understood by the processor.
- a. Interpreters
 - b. Editors
 - c. Assemblers
 - d. Debuggers

ANS: A PTS: 1 REF: 2-7

14. ____ examine software code line by line to identify errors, such as incorrect formulas or logic errors.
- a. Compilers
 - b. Editors
 - c. Debuggers
 - d. Assemblers

ANS: C PTS: 1 REF: 2-7

15. Code ____ contain modules of customizable code for common functions such as accessing files or issuing the Print command.
- a. development kits
 - b. libraries
 - c. assemblers
 - d. compilers

ANS: B PTS: 1 REF: 2-7

16. A quality ____ team usually tests an application thoroughly to confirm that it works as advertised.
- a. beta
 - b. coding
 - c. assurance
 - d. debugger

ANS: C PTS: 1 REF: 2-7

17. System software falls into two categories: operating system software and ____ programs.
- a. embedded
 - b. groupware
 - c. productivity
 - d. utility

ANS: D PTS: 1 REF: 2-8

18. Some operating systems use a ____ interface that requires users to type commands.
- a. command-line
 - b. graphical user
 - c. native
 - d. custom

ANS: A PTS: 1 REF: 2-8

19. ____ operating systems use codenames such as Mavericks, Mountain Lion, Snow Leopard, Cheetah, and Kodiak.
- a. Windows
 - b. Mac
 - c. Linux
 - d. Chrome

ANS: B PTS: 1 REF: 2-9

20. ____ application software lets you create letters, reports, memos, and contracts.
- a. Word processing
 - b. Spreadsheet
 - c. Database
 - d. Presentation

ANS: A PTS: 1 REF: 2-9

21. ____ application software lets you create budgets, data analyses, lists, and schedules.
- a. Word processing
 - b. Spreadsheet
 - c. Database
 - d. Presentation

ANS: B PTS: 1 REF: 2-9

22. ____ application software lets you create large collections of data, including inventories, customer lists, and employee information.
- a. Word processing
 - b. Spreadsheet
 - c. Database
 - d. Presentation

ANS: C PTS: 1 REF: 2-9

23. ____ application software lets you create onscreen displays of text, graphics, sound, and video to show to a group.
- a. Word processing
 - b. Spreadsheet
 - c. Database
 - d. Presentation

ANS: D PTS: 1 REF: 2-9

24. ____ apps are installed on a device.
- a. Native
 - b. Web
 - c. Software as a Service
 - d. Platform

ANS: A PTS: 1 REF: 2-9

25. A ____ is software that takes control of your computer so it can be used by hackers to carry out further attacks.
- a. worm
 - b. keylogger
 - c. bot
 - d. virus

ANS: C PTS: 1 REF: 2-11

26. Companies either hire outside programmers to write ____ software or use their own internal developers.
- a. packaged
 - b. embedded
 - c. adaptive
 - d. custom

ANS: D PTS: 1 REF: 2-12

27. ____ is the second step of the software development process.
- a. Analyzing needs
 - b. Creating a software design
 - c. Developing
 - d. Testing

ANS: B PTS: 1 REF: 2-12

28. ____ apps are applications you access over the Internet using any computer or mobile device with an Internet connection.
- a. Adaptive
 - b. Open source
 - c. Web
 - d. Custom

ANS: C PTS: 1 REF: 2-13

29. ____ software is copyrighted software whose source code is available to the public.

38. A user ____ gives instructions on using the program's features and troubleshooting common problems.
- a. algorithm
 - b. manual
 - c. library
 - d. platform
- ANS: B PTS: 1 REF: 2-16
39. Whereas a patch is a single fix, a(n) ____ is a collection of patches or fixes bundled into a single release.
- a. upgrade
 - b. update
 - c. service pack
 - d. code library
- ANS: C PTS: 1 REF: 2-17
40. ____ software creates a personal security zone around your computer by monitoring all incoming and outgoing traffic and blocking any suspicious activity.
- a. Antispyware
 - b. Antivirus
 - c. Antispam
 - d. Firewall
- ANS: D PTS: 1 REF: 2-18
41. ____ is the process of restarting your computer.
- a. Rebooting
 - b. Updating
 - c. Compiling
 - d. Loading
- ANS: A PTS: 1 REF: 2-18
42. When troubleshooting a computer problem, it can be important to note whether you can ____ the problem.
- a. assemble
 - b. update
 - c. authenticate
 - d. replicate
- ANS: D PTS: 1 REF: 2-19
43. ____ software performs specific tasks.
- a. System
 - b. Application
 - c. Integrated
 - d. Agile
- ANS: B PTS: 1 REF: 2-2
44. To create an iPad or iPhone app, you can use a language called ____, a free development environment for building iOS apps.
- a. Notepad
 - b. Eclipse
 - c. Visual Studio
 - d. Objective-C
- ANS: D PTS: 1 REF: 2-7
45. Many utility programs are built into the ____.
- a. OS
 - b. IDE
 - c. SDK
 - d. EULA
- ANS: A PTS: 1 REF: 2-8