ESP 6-10  
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Unit 6

Task 1:

1. What are common computer security threats?

- Malware.

- Phishing.

- Attacks on software vulnerabilities.

2. How can users protect their computers?

- Install antivirus software.

- Regularly update operating systems and applications.

- Use complex passwords and two-factor authentication.

Task 2:

1. The company’s Exviro package includes protection against spyware. (True)

2. The antivirus software destroys files that are infected by malware. (False)

3. The webpage recommends using antivirus software instead of firewalls. (True)

Task 3:

1) The purpose of the software is to not allow access to unauthorized users. (deny)

2) The system allows access only after users enter their passwords. (permits)

3) The engineer installed a program that protects a computer from various threats on the company’s systems. (security software)

Task 4:

1. Security threats:

- Malware

- Virus

- Spyware

2. Security programs:

- Firewall

- Antivirus software

3. Protective actions:

- Removal

- Quarantine

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Unit 7

Task 1:

1. What steps do programmers follow to create new programs?

- Requirements analysis.

- Design.

- Coding in a chosen programming language.

- Testing.

- Optimizing the application.

2. What tools do programmers use for software development?

- Integrated development environments (IDEs).

- Text editors.

- Version control systems (Git).

- Libraries and frameworks.

Task 2:

1. Programmers use text editors to interpret commands. (True)

2. Text editors are a type of source code editor. (False)

3. An IDE is the most basic type of programming software. (True)

Task 3:

1) Source code editor - F: software used to enter lines of coded text

2) Program - B: a series of operations that control the functions of a computer

3) Programming language - C: codes used to write commands to a computer

4) Programming software - A: any software that supports the development of new applications

5) Interpreter - E: something that reads and executes other programs

6) Compiler - D: an application that decodes instructions written in other languages

Task 4:

1) A: An IDE usually provides programmers with various tools for writing programs.

B: A text editor is a basic program for entering commands and code into a computer.

2) A: A linker provides links to additional information needed for programs to run.

B: A debugger finds and corrects errors in code.

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Unit 8

Task 1:

1. What software do businesses typically use?

- Enterprise management systems.

- Customer relationship management (CRM) systems.

- Accounting programs.

2. What software do people use at home?

- Office applications.

- Media players.

- Communication programs (e.g., Skype, Zoom).

Task 2:

1. What kind of software is available to add on to the office suite?

C) Accounting software

2. Which of the following is NOT offered by the company?

A) Web browsers

3. What is a feature of the company's desktop publishing software?

C) It makes documents easy to read on webpages.

Task 3:

1) A: Application software can mean many different types of software.

2) B: Books and brochures are designed with desktop publishing software.

3) B: Text documents are produced with word processing software.

4) A: Video editing software lets users create movies on their computers.

Task 4:

1) Accounting software records and manages transactions.

2) An office suite usually includes a word processor.

3) Many large corporations use enterprise software to maintain consistency in all their systems.

4) Image editing software can be used to retouch photographs.

5) Users often check their email using a web browser.

6) Large sets of data can be organized into a spreadsheet.

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Unit 9

Task 1:

1. What are the main purposes of software?

- Automate tasks.

- Manage data.

- Enhance productivity in various applications (e.g., word processing, accounting, graphic design, system management, security).

2. Why must software engineers learn about different industries?

- To understand unique needs and challenges.

- To create effective, tailored solutions.

- To ensure seamless integration into workflows and compliance with industry standards.

Task 2:

1. What is the main idea of the article?

B) Why engineers must learn about various industries

2. According to the article, which is a form of data management?

B) Payroll

3. What is NOT true of software engineers?

A) They typically work in different industries before becoming engineers.

Task 3:

1) Payroll - C: a company's list of employees and how much they are paid

2) Simulation - A: a realistic representation of something

3) Cost analysis - D: a report that explains expenses

4) Bioinformatics - E: the application of computer software to the field of biology

5) Multimedia player - G: a device that can play audio, video, and other files

6) Digital assistant - H: a small, handheld computer that typically works as a mobile phone

7) Data management - B: the ability to track and evaluate information

8) Satellite navigation - F: the process of determining a location based on electronic information

Task 4:

1) A: Many software apps aid in the process of route planning.

2) B: New phones download mobile apps really quickly.

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Unit 10

Task 1:

1. What are common features on a computer desktop?

- Icons for applications and files.

- A taskbar for quick access to running programs.

- Background wallpaper.

2. How do users typically start programs?

- Double-clicking on an icon.

- Selecting the program from a dropdown menu or taskbar.

Task 2:

1. The instructions help users install a program. (True)

2. "Open Mailbag" is an option from the dropdown menu. (True)

3. The cursor takes a few moments to appear in the correct box. (False)

Task 3:

1) Icon - F: a symbol that indicates a file or program

2) GUI - E: a visual way of interacting with a computer screen

3) Open - A: to reveal the contents of something in order to use or edit them

4) Select - D: to mark something for a particular operation

5) Cursor - C: a feature on a computer screen that indicates where input will appear

6) Right-click - G: to bring up options using a particular mouse button

7) Dropdown menu - B: a list of options that appears when an item is clicked

Task 4:

1) B: Some people display pictures on their desktops.

2) B: The folder contains the engineer's important documents.

3) A: Clicking on a menu option will often run a program.

Dictionary

### Unit 6: System Software 2

- Antivirus software – антивирусное ПО

- Firewall – файервол

- Malware – вредоносное ПО

- Spyware – шпионское ПО

- Security software – защитное ПО

- Quarantine – карантин (для файлов)

- Removal – удаление угроз

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### Unit 7: Programming Software

- Compiler – компилятор

- Debugger – отладчик

- IDE – интегрированная среда разработки

- Interpreter – интерпретатор

- Source code editor – редактор кода

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### Unit 8-9: Application Software

- Spreadsheet – табличный редактор

- Word processing – текстовый редактор

- Image editing – редактор изображений

- Web browsing – веб-браузинг

- Simulation – симуляция

- Data management – управление данными

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### Unit 10: The Desktop and GUI

- GUI – графический интерфейс пользователя

- Icon – иконка

- Cursor – курсор

- Dropdown menu – выпадающее меню

- Folder – папка

### Словарь (Dictionary)

| **English Term** | **Russian Translation** |
| --- | --- |
| Malware | вредоносное ПО |
| Firewall | сетевой экран |
| Spyware | шпионское ПО |
| Antivirus | антивирусное ПО |
| Quarantine | изоляция (файлов) |
| Removal | удаление угроз |
| IDE | интегрированная среда разработки |
| Compiler | компилятор |
| Debugger | отладчик |
| Interpreter | интерпретатор |
| Source code editor | редактор исходного кода |
| Spreadsheet | табличный процессор |
| Word processor | текстовый редактор |
| Image editor | графический редактор |
| CRM system | система управления клиентами |
| Simulation | симуляция |
| Data management | управление данными |
| GUI | графический интерфейс пользователя |
| Icon | значок |
| Cursor | курсор |
| Dropdown menu | выпадающее меню |
| Folder | папка |