

## UNIT 6. SECURITY AND PRIVACY ON THE INTERNET

### LANGUAGE FOCUS PRACTICE: RELATIVE CLAUSE

#### Phần I: Hoàn Thành Câu

**Yêu cầu:** Điền đại từ quan hệ (Relative Pronoun: *who, whom, which, that, whose, where, when*) thích hợp vào chỗ trống.

Lưu ý, đôi khi có nhiều hơn một đáp án. Nếu đại từ quan hệ có thể lược bỏ, hãy ghi **(Optional)** bên cạnh đáp án.

1. A **bug** is an error in a computer program \_\_\_\_\_ causes it to produce an incorrect or unexpected result.
2. **Linus Torvalds**, \_\_\_\_\_ developed the Linux kernel, is highly respected in the open-source community.
3. The **network protocol** is the set of rules by \_\_\_\_\_ two or more devices communicate.
4. The server farm is the data center \_\_\_\_\_ all the critical cloud infrastructure is physically housed.
5. The Chief Information Security Officer (**CISO**), \_\_\_\_\_ job involves mitigating cyber risks, requires strong leadership skills.
6. The **legacy system**, \_\_\_\_\_ maintenance costs are rapidly increasing, poses a significant security threat.
7. **Phishing** is a form of cybercrime \_\_\_\_\_ involves impersonating a trustworthy entity in an electronic communication.
8. The company is introducing a new authentication method, \_\_\_\_\_ will require all employees to use biometrics.
9. The database administrator (**DBA**) is the person \_\_\_\_\_ we consult about any data migration issues.
10. The 2007 **iPhone launch**, \_\_\_\_\_ revolutionized the smartphone market, is considered a milestone in IT history.

## Phần II: Kết Hợp Câu

**Yêu cầu:** Kết hợp hai câu đơn thành một câu phức sử dụng **Mệnh đề Quan hệ**.

1. The **new software update** contains critical security patches. We installed the update last night.

→ \_\_\_\_\_

2. **Artificial Intelligence (AI)** is rapidly transforming every industry. It is the focus of our current R&D investment.

→ \_\_\_\_\_

3. The **data scientist** gave a presentation on machine learning. She has ten years of experience in predictive analytics.

→ \_\_\_\_\_

4. We had a major system failure during peak hours. The failure required an immediate rollback to the previous version.

→ \_\_\_\_\_

5. The **USB port** is defective. You plug the external hard drive into this port. (Sử dụng giới từ + đại từ quan hệ)

→ \_\_\_\_\_

6. The **General Data Protection Regulation (GDPR)** came into effect in 2018. The regulation governs how personal data is processed in the EU.

→ \_\_\_\_\_

7. The startup's **source code** was leaked online. The source code is the intellectual property of the founder.

→ \_\_\_\_\_

8. The **new cloud platform** is scalable and cost-efficient. We decided to migrate all our services to the platform.

→ \_\_\_\_\_

## Phần III: Rút Gọn Mệnh Đề Quan Hệ

**Yêu cầu:** Rút gọn Mệnh đề Quan hệ (Relative Clause) trong các câu sau thành dạng phân từ (*V-ing, V3/ed*) hoặc cụm giới từ/tính từ, nếu có thể.

1. The project team **who are developing** the new mobile application work remotely.

→ The project team \_\_\_\_\_ work remotely.

2. The devices **which were infected** by the ransomware have been isolated from the main network.

→ The devices \_\_\_\_\_ have been isolated from the main network.

3. The developers **who are sitting** in the conference room are discussing the product roadmap.

→ The developers \_\_\_\_\_ are discussing the product roadmap.

4. The documentation **that is required** for the compliance audit must be submitted by Friday.

→ The documentation \_\_\_\_\_ must be submitted by Friday.

5. The data **that is stored** on the backup server is secure.

→ The data \_\_\_\_\_ is secure.

#### **Phần IV: Phát Hiện và Sửa Lỗi**

**Yêu cầu:** Mỗi câu dưới đây có một lỗi sai liên quan đến Mệnh đề Quan hệ. Viết lại câu đúng.

1. The operating system, **that** is installed on all company laptops, needs a security patch.

→ \_\_\_\_\_

2. The programmer **who** we hired him last month is an expert in Java.

→ \_\_\_\_\_

3. Cloud services, **whose** security breaches are rare, offer high reliability.

→ \_\_\_\_\_

4. The network card **which** functions is to facilitate data transfer needs replacement.

→ \_\_\_\_\_

5. The deadline, **when** the beta version must be released, is next Friday.

→ \_\_\_\_\_