

1. Collocation

Definition:

Collocation refers to the natural combination of words that frequently occur together in a language. These word pairs or groups sound correct to native speakers and enhance fluency.

Types of Collocations:

1. **Adjective + Noun:**
 - o Strong password (✓) vs. Powerful password (✗)
 - o High-speed internet (✓) vs. Fast-speed internet (✗)
 2. **Verb + Noun:**
 - o Write code (✓) vs. Make code (✗)
 - o Conduct research (✓) vs. Do research (✗)
 3. **Noun + Noun:**
 - o Data breach (✓) vs. Information breach (✗)
 - o Memory leak (✓) vs. RAM leak (✗)
 4. **Verb + Preposition:**
 - o Rely on technology (✓) vs. Rely in technology (✗)
 - o Work with databases (✓) vs. Work on databases (sometimes ✗)
- Helps in **technical communication** (writing reports, emails).
 - Makes **code documentation clearer**.
 - Useful in **technical interviews and research papers**.
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2. Gerunds

Definition:

A **gerund** is a verb form ending in **-ing** that functions as a **noun** in a sentence.

Examples in IT Context:

- **Writing** efficient algorithms saves time. (Subject)
- He enjoys **debugging** programs. (Object)
- The team discussed **upgrading** the system. (After a preposition)

Common Verbs Followed by Gerunds:

- Enjoy → He enjoys **coding**.
 - Avoid → Avoid **clicking** on suspicious links.
 - Consider → We are considering **deploying** the software.
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3. Infinitives

Definition:

An **infinitive** is the base form of a verb preceded by **to** (e.g., to write, to develop). It can function as a **noun, adjective, or adverb**.

Examples in IT Context:

- **To learn** Python is essential for data science. (Subject)
- She decided **to upgrade** her operating system. (Object)
- He has a tool **to analyze** large datasets. (Adjective modifying "tool")

Common Verbs Followed by Infinitives:

- Plan → We plan **to launch** a new website.
- Decide → The company decided **to migrate** to the cloud.
- Need → You need **to install** the latest version.

Gerunds vs. Infinitives (Key Differences):

Verb	Gerund (-ing)	Infinitive (to + verb)
Start	He started coding .	He started to code .
Like	She likes developing apps.	She likes to develop apps.
Remember	I remember saving the file.	Remember to save the file.