

Access Modifiers in Java

Access modifiers in Java define the **visibility** and **scope** of classes, methods, and variables.

Java has **four** types of access modifiers:

1. Public

- Accessible **everywhere** in the program (inside and outside the class, package, and subclass).
- No restrictions on access.

2. Private

- Accessible **only within the same class**.
- Not accessible in subclasses or other classes.

3. Protected

- Accessible **within the subclasses** .
- Used for **inheritance**.

4. Default (No Modifier)

- If no modifier is specified, it is **package-private** (accessible **only within the same package**).

👉 **Usage:** Public is the most open, Private is the most restrictive, Protected is useful for inheritance, and Default is package-specific.