

# I. Codebase

**What is a codebase, source code repository, and a version control system?**

- In software development, a **codebase** refers to a whole collection of source code that is used to build a particular software system, application, or software component.
- A codebase includes only **human-written source code files**; thus, a codebase usually does not include source code files generated by tools (generated files) or binary library files (object files).
- It generally does include **configuration and property files**, as they are the data necessary for the build.

# I. Codebase

- A codebase is typically stored in a **source control repository** that belongs to a **revision control system**.
- A source code repository is a place where large amounts of source code are kept, either **publicly or privately**.
- Source code repositories are used for **backups** and **versioning** to handle various source code versions and to provide aid in **resolving conflicts** that arise from developers submitting overlapping modifications.
- Subversion, Git and Mercurial are examples of popular tools used to handle this workflow, which are common in **open source** projects.