

Tutorial 1

You may refer any resource available online/ offline.

1. What is the difference between a software library and a Software framework?
2. “Inversion of Control” is a key distinguishing feature of a Software Framework that separate them from normal libraries. Explain the concept in your own words.
3. Search the Internet and state one real world example on why it is important that “the right framework for the application should be chosen” when implementing an application.

software library

A software library is a collection of pre-written code or routines that can be used to perform specific tasks or functions. It provides developers with ready-made solutions for commonly occurring problems in programming. Libraries can be integrated into a program by linking to them, allowing developers to use the functions provided by the library in their code.

software framework

software framework is a more comprehensive set of tools that provide a structure for building software applications. A framework provides a standardized way to build and organize an application, often including a set of libraries and templates that can be used as building blocks. Frameworks may include libraries, but they also provide an overall structure, set of rules, and guidelines for developing an application.