**Requirements Gathering and Analysis**

Requirement gathering and analysis in SDLC is a vital step in the software development process. It involves understanding the client's needs and identifying their problems. It also involves designing solutions. This phase is important to ensure that the final product is perfect

**Software Quality Assurance**

**Software Quality Assurance (SQA)** is simply a way to assure quality in the software. It is the set of activities which ensure processes, procedures as well as standards are suitable for the project and implemented correctly.

Software Quality Assurance is a process which works parallel to development of software. It focuses on improving the process of development of software so that problems can be prevented before they become a major issue. Software Quality Assurance is a kind of Umbrella activity that is applied throughout the software process.

What to do to achieve **code quality standards**. Coding standards include techniques, rules, and practices developers need to implement to produce efficient, readable, and cleaner code with minimal or no errors. The developers, therefore, offer an even format as they build highly standardized code.

*A* ***data structure*** *is a storage that is used to store and organize data. It is a way of arranging data on a computer so that it can be accessed and updated efficiently.*

What is document control software system?

A document control system is a formal set of tools and processes that ensure vital documents in a company are created, approved, distributed, and archived systematically throughout their lifecycle. Document control systems bring order to complex operations.