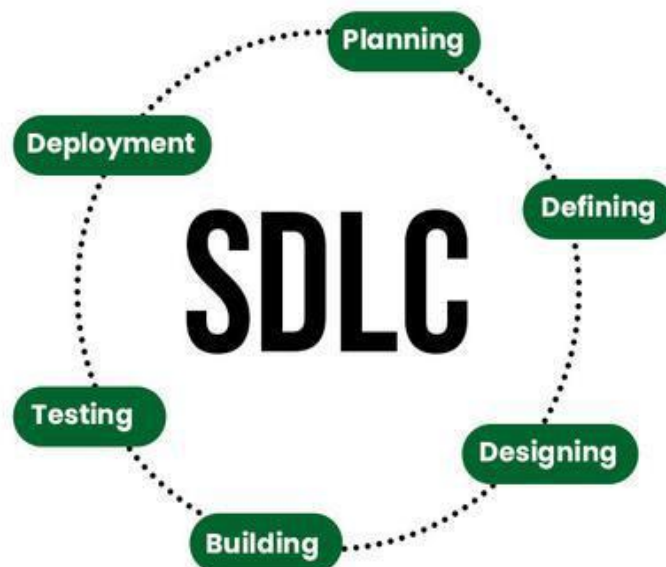


# Software Development Life Cycle

The Software Development Life Cycle (SDLC) refers to a methodology with clearly defined processes for creating software.

In software development life cycle has of 6 phases:

1. Planning
2. Requirement analysis
3. Design
4. Implementation
5. Testing
6. Deployment



## Planning:

The initial stage of software development, It to understand the end-users' needs and the goals the software should meet. Essentially, we ask, "What problem will this software solve?".

## Requirement analysis:

Phase 2 of the SDLC, Requirements Analysis, seeks to identify and record the precise requirements of the final users. In this phase, the team is looking to answer, "What are the expectations of our users from our software?".

**Design:**

The Design phase is about building the framework. A design approach clearly defines all the architectural modules of the software along with its communication and data flow representation .

**Implementation:**

The actual development starts and the product is built. Create the software according to the design.

**Testing:**

Testing phase of the SDLC as a quality inspection on a production line. we test for defects and deficiencies. We fix those issues until the software meets the original specifications.

**Deployment:**

Once the product is tested and ready to be deployed it is released formally in the appropriate market.