**SDLC :**

SDLC (Software Development Life Cycle) defines all the standard phases which are involved during the software development process. SDLC life cycle is a process of developing software through a phased manner in the following order

1. Requirements Gathering
2. Design the software
3. Build the Software
4. Test
5. Deployment
6. Maintenance**.**

**STLC:**

Software Testing Life Cycle (STLC) is the testing process that is executed in a well-planned manner. In the STLC process, various activities are carried out to improve the quality of the product. However, STLC phases only deal with testing and detecting errors but not development itself.

Software Test Life Cycle has the following stages.

1. Requirement Analysis
2. Test Planning
3. Test Development
4. Test Environment Setup
5. Test Execution & Closure

**Difference between Software Development Life Cycle and Software Testing Life Cycle:**

**SDLC STLC**

|  |  |
| --- | --- |
| 1. SDLC is mainly related to software development. | 1. STLC is mainly related to software testing. |
| 1. Besides development other phase like testing is also included. | 1. It focuses only on testing the software. |
| 1. It helps in developing good quality of software. | 1. It helps in making the software   defect free. |
| 1. SDLC phases are completed before the STLC phases | 1. STLC phases are performed after   SDLC phase. |
| 1. SDLC involves six phases or steps. | 1. STLC involves only five phases or steps. |