**Software testing life cycle**

1. **Requirements Analysis:** Understanding what the software needs to do and how it should perform.
2. **Test Planning:** Creating a strategy for testing, outlining goals, scope, resources, and timelines.
3. **Test Case Development:** Writing detailed test cases that cover different scenarios and conditions.
4. **Test Environment Setup:** Preparing the necessary software and hardware configurations for testing.
5. **Test Execution:** Running the test cases and checking if the software behaves as expected.
6. **Defect Reporting:** Documenting any issues or bugs found during testing.
7. **Defect Re-Testing:** Verifying that the reported issues have been fixed by developers.
8. **Regression Testing:** Checking the entire system to ensure new changes didn’t cause unexpected problems.
9. **Test Closure:** Assessing if all test cases were executed, objectives met, and documentation completed.