



Software Testing Methodologies

Difference between similar terminologies





AGENDA

Difference between-

- 1. Verification & Validation
- 2. QA and QC
- 3. Static & Dynamic Testing





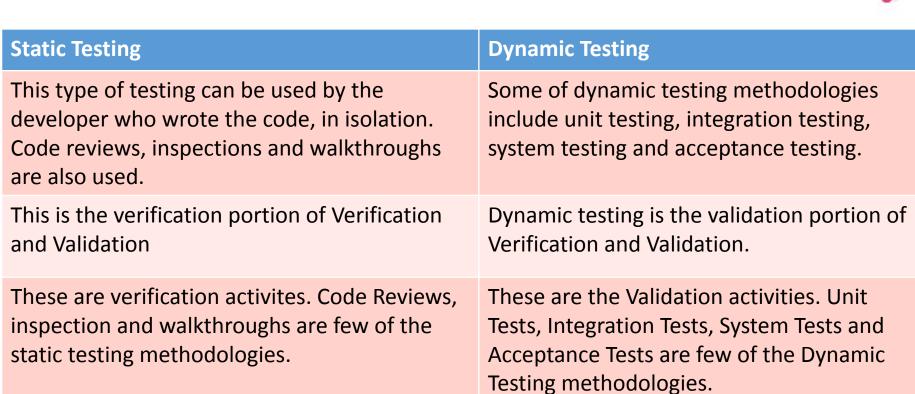




Static Testing	Dynamic Testing
A form of software testing where the software isn't actually used.	A form of software testing where the software must actually be compiled and run.
It is generally not detailed testing, but checks mainly for the sanity of the code, algorithm, or document. It is primarily syntax checking of the code or and manually reading of the code or document to find errors	Dynamic analysis refers to the examination of the physical response from the system to variables that are not constant and change with time
It is about prevention	It is about cure
Can be done before compilation	can take place only after compilation and linking.



Static Testing Vs Dynamic Testing







Quality Assurance

Quality Assurance is a planned and systematic set of activities necessary to provide adequate confidence that products and services will conform to specified requirements and meets user needs

- It is process oriented
- Defect prevention based
- Throughout the Life Cycle
- It's a management process







Quality Control

Quality control is the process by which product quality is compared with the applicable standards and the action taken when non conformance is detected

- It is product oriented
- Defect detection based









Quality Control-

- Quality Control makes sure the results of what we've done are what we expected
- QC focuses on testing for quality and hence detecting defects
- QC deals with product
- QC is for testing part in SDLC
- QC is corrective process

Quality Assurance-

- Quality Assurance makes sure that we are doing the right things, the right way
- QA focuses on building in quality and hence preventing defects
- QA deals with process
- QA is for entire life cycle
- QA is preventive process







Thankyou!

