

Verification and Validation

1. What are the methods used in verification?
2. What are the methods used in validation?
3. What does verification check?
4. What does validation check?
5. At what stage of development can verification find bugs?
6. What kind of bugs can validation find?
7. Which comes first, verification or validation?
8. What does verification consist of?
9. What does validation consist of?
10. What is a defect?

1. Reviews, walkthroughs, inspections, and desk checking, design, and code
2. Black box(specification) testing and Whitebox(code) testing
3. Checks whether the software conforms to the correct specifications
4. Checks whether the software meets the customer's requirements and expectations
5. It can find bugs in development, during requirements, design, and coding before the program is executed
6. Bugs that make it past verification testing
7. Verification comes first
8. Verification consists of human review of documents, files, without running the program
9. Validation consists of executing the program on a computer and running tests to find the actual behavior
10. A defect is an error or flaw in the program that produces incorrect output.