

7 Principles of Software Testing in Hindi Jo Sabko Pata Hone Chahiye.

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1. Testing shows presence of defects

1. Software testing reduces the presence of defects.
2. Software testing talks about the presence of defects and doesn't talk about the absence of defects
3. Even multiple testing can never ensure that software is 100% bug-free

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2. Exhaustive testing is not possible

Exhaustive testing is impossible means the software can never test at every test cases.

2. It can test only some test cases and assume that software is correct and it will produce the correct output in every test cases

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3. Early Testing

The defect detected in early phases of SDLC will be very less expensive.

2. For better performance of software, Start software testing will start at initial phase

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4. Defect clustering

In a project, a small number of the module can contain most of the defects.

Pareto Principle to software testing state that 80% of software defect comes from 20% of modules.

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5. Pesticide paradox

Repeating the same test cases again and again will not find new bugs.

2. It is necessary to review the test cases and add or update test cases to find new bugs

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5. Pesticide paradox

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6. Testing is context dependent:

- Testing approach depends on context of software developed.
2. Different types of software need to perform different types of testing.
 3. The testing of the e-commerce site is different from the testing of the Android application.

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7. Absence of errors fallacy

If a built software is 99% bug-free but it does not follow the user requirement then it is unusable.

2. It is not only necessary that software is 99% bug-free but it also mandatory to fulfill all the customer requirements

<https://www.geeksforgeeks.org/software-engineering-seven-principles-of-software-testing/>

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