



Software Testing Freshers Series-Day1

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- **What is Software?**

- a set of instructions or a program that tells a computer what to do.

Types of Software:

1. System Software-include os & all the utilities that keep running the computer.

2. Application Software-includes program that do a specific task.

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What is Testing ?

- Verifying and Validating the products or application.
- executing it with intent of finding mistakes.

Why Testing ?

- Testing is crucial for identifying and fixing the problem.
- Ensuring Quality and reliability.
- Improving the performance in various industries and applications

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What if there is no testing ?

- Bugs and errors remain Hidden .
- leading to crashes and security breaches.
- User dissatisfaction.
- spoil the reputations of Developers.
- leads to financial loss.

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Who are Software testers and their roles & goals?

-They are typically a part of dedicating the testing team, who works closely with developer, project manager and other stack holders to plan and execute the testing activities.

Roles:

- They are pre-defined customers .
- responsible for evaluating the software & ensures its function as expected.

Goals:

- To give Quality products to the customers.

What is Software Testing?

Software testing is the process of:

- checking software if works as expected.
- Finding and Fixing bugs before release.
- Ensuring the great user experience.

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Why is Testing important ?

- Catch bugs early: Fixing them later is expensive.
- Protect users : nobody likes a crashing app.
- Built trust: High quality software = happy users.

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Software testing

Benefits

- Cost-Effectiveness
- Customer satisfaction.
- Security
- Product Quality.

Limits

- Incomplete test coverage.
- Presence of undetectable error.
- Time and resource constraints.
- Inability to guarantee absolute correctness.

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“Testing is a skill that you can learn. It's more a mindset than a specific process.”

-Janet Gregory



Thank You