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**Why we use test automation?**

We use test automation because :

# -Save Time: Automated tests can be executed significantly faster than manual tests, are less error prone and less labor intensive

# -Foundation for CI and DevOps: Automated tests form the basis of any Continuous Integration or a DevOps setup

# -Accuracy and Reliability: Manual testing is prone to errors because of the number of prerequisites involved in running each test.

# -Increased Confidence: Agile methodologies recommend short cycles of feature development, called Sprints that usually run for 2-3 weeks. These short sprints are repeated within a bigger release lifecycle.

# -Measure Quality Metrics: Extensions and tools available for automated testing provide features to measure a number of code quality metrics such as code coverage (i.e. the percentage of code that is actually tested), technical debt, code semantics check etc.

**when we use test automation?**

-When you have to run test cases a lot number of times in a test cycle

-When test cases are getting very tedious and you are not able to perform them manually.