Test automation is the use of software tools to execute predefined test cases, compare actual and expected results, and generate test reports. Some of the benefits of test automation are:

-It can reduce the feedback cycle and bring faster validation for phases in the development of your product.

-It can save costs by reducing the manual effort and resources required for testing.

-It can improve software quality by detecting more defects, increasing test coverage, and ensuring consistency.

When to use:

-Have repetitive test cases that need to be executed frequently .

-Have complex test cases that involve multiple scenarios or data sets .

-Have stable test cases that have low chances of changing or breaking .

-Have time-sensitive test cases that need to be completed within a short deadline.