

Session 4.2

Automation Testing

AN INITIATIVE BY

UNICAL ACADEMY



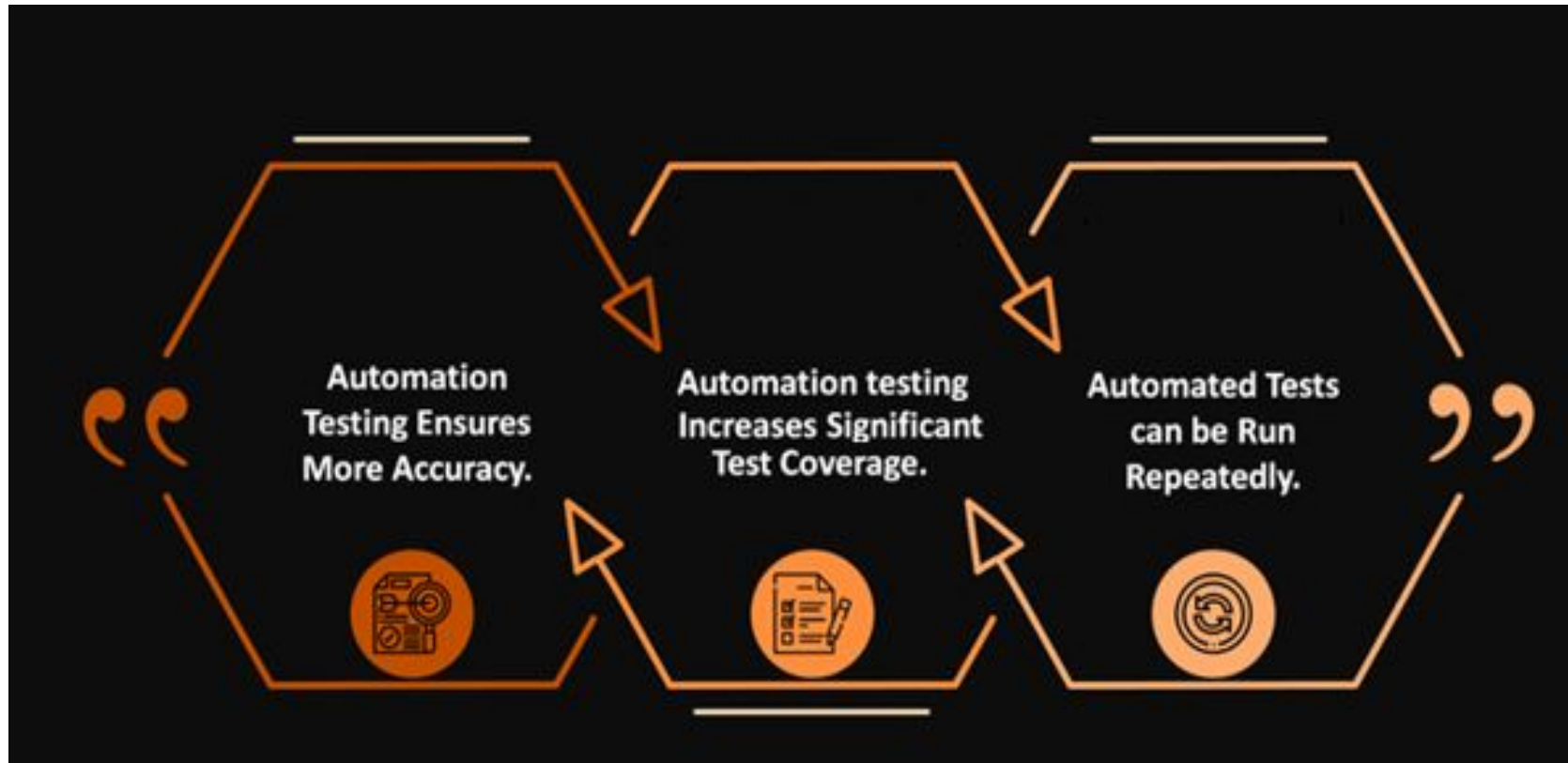
Let's go!!!



Test automation is required –

- 1 *To set test preconditions*
- 2 *To control the execution of tests.*
- 3 *To compare the actual outcomes to predicted outcomes.*
- 4 *To report the Execution Status.*
- 5 *Commonly, test automation involves automating a manual process already in place that uses a formalized testing process.*

Why do we need Test Automation



Advantages of Automation Testing

Costs and efficiency –

1 *Detection of the errors that reached production phase (with regression tests)*

2 *Multiple users' simulation.*

3 *Reusable of the old scripts -> creation of the new scripts is reduced.*

4 *Automatic execution of performance tests in the beginning of the production -> less costs for improving the performance*

Advantages of Automation Testing

Time economy –

- 1 *Quick analysis in case of changing of environment parameters.*
- 2 *Short duration of the testing cycles.*
- 3 *Better estimation for test planning.*
- 4 *A large number of tests can be executed over night.*
- 5 *Quick generation of testing preconditions.*

Test Automation Tools–

- 1 *Quick Test Professional By HP.*
- 2 *Rational Functional Tester By Rational (IBM Company).*
- 3 *Silk Test By Borland.*
- 4 *Test Complete By Automated QA.*
- 5 *QA Run (Compuware).*
- 6 *Selenium (Open source).*

Session Recap

