

## Module-2

### 1. What is Automation Testing?

**Ans-**Test automation is the use of software to control the execution of tests, the comparison of actual outcomes to predicted outcomes, the setting up of test preconditions, and other test control and test reporting functions.

- Although manual tests may find many defects in a software application, it is a laborious and time consuming process.
- In addition it may not be effective in finding certain classes of defects.
- Test automation is a process of writing a computer program to do testing that would otherwise need to be done manually.
- Once tests have been automated, they can be run quickly.
- This is often the most cost effective method for software products that have a long maintenance life, because even minor patches over the lifetime of the application can cause features to break which were working at an earlier

### 2. Which are browser supported by selenium ide?

**Ans-** IE, Mozilla, Firefox, Safari.

### 3. What are benefits of Automation Testing?

**Ans-**Automation testing is faster than the manual testing

Wider test coverage of application features

Reliable in results

Ensure Consistency

Saves Time and Cost

Improves accuracy

Human Intervention is not required while execution

**Increases Efficiency**

**Better speed in executing tests**

**Re-usable test scripts**

**Test Frequently and thoroughly**

**More cycle of execution can be achieved through automation**

## **4.What are the advantages of selenium?**

**ans-Open Source**

Selenium supports all browsers like IE, Firefox, Mozilla, Safari.

- It supports all Operating Systems.
- Supports all programming languages Java,Ruby,C# and Python.
- Run multiple tests at a time.

## **5.Why tester should opt for Selenium and not QTP?**

**ans-**Selenium supports a wide range of programming languages. QTP/UFT test scripts run only on the Windows environment. They cannot be run across all browsers. On the other hand, Selenium is OS independent and allows test scripts to run across all browsers.

There are many language supported by selenium like Java,C#,Python,Ruby,Perl,PHP,and Javascript,

Selenium supports IOS and Android platfrom.Selenium is open source tool.