***Software testing Assignment***

**Advanced selenium**

*Assignment module -2 (selenium IDE)*

1.What is automation testing

* Automation testing is the method of testing software products with special testing tools and frameworks to minimize human intervention and maximize quality
* Commonly, test automation involves automating a manual process already in place that uses a formalized testing process.
* Although manual tests may find many defects in a software application, it is A laborious and time-consuming process.
* 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

2. which are the browsers supported by selenium IDE

* Selenium IDE is chrome browsers and Firefox browsers supported by selenium IDE

3. what are the benefits of automation testing

* 70% 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
* Early time to market

4. What are the advantage of selenium

* Very easy to use and install
* No programming experience is required, through knowledge of HTML and DOM are needed
* Can export tests to formats usable in Selenium RC and WebDriver
* Has built-in help and test results reporting module
* Provides support for extensions
* Open-source
* Support operating system
* Ease to implementation

5. why the tester should opt for selenium and not QTP

* Selenium however 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

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