

SET - IC2 Interview Prep		
#		Concepts
Programming	Any Language	Strings, Arrays, Collections (Hash & List), Stack & Queues, Search & Sorting Algorithms, Variable scopes, Design Patterns (should be able to solve automation problems using any of design pattern (Preferably - Singleton, Factory, Builder), OOPS
	Coding	Try solving Medium Hackerrank tests (Array, Collections related problems), Time complexity
	SVN (Git / Perforce / Bitbucket)	
Automation	Selenium	End to End selenium, POM, DataDriven / Keyword driven, Cross Browser, Iframes, Multiple window handling
	API	Return Codes, Serialisation & Deserialisation of Payloads (JSON / XML), Authentications, HTTP Methods, API Validations
	TestRunners (JUnit / Rspec / TestNG)	Parallel Execution, Assertions, Listeners, Data Providers, Reports, Testcase grouping
	CI / CD Tools (Jenkins)	Basic understanding
	WebAPP	System Level understanding of web application, MVC, DataBase
	Mobile	Android / IOS Platform architecture, Application layer understanding, Mobile automation frameworks (Appium), Unit Test Frameworks like XCUITest, Espresso, Robot class framework
QA		Usecase and Testcase Identification
		Test Coverage (Positive, Negative, Boundary, Edge, Corner, etc)
		Test Severity and Priority
		Types of Testing (functional / Non-functional, Blackbox / Whitebox, Security)
		Fault Isolation (Debugging and Troubleshooting)
		Test Planning, Test Estimation, Test Reporting
		Understanding Test Environment, Release Process
		Test Environment, Dependency Management, Test case Management
		SDLC, STLC