

Week #	Operating System	Database	Testing	Aptitude	Soft skills
Week 1	1) Linux introduction. 2) Booting linux, 3) Basic shell commands 4) File system structure. 5) Putty		1) Basic questions in testing. What, when, why, who, where, how. Examples on testing failures. 2) Realtime scenarios to test ATM, vending machine, car, cycle...3) Concepts of fields, page/form, workflow	Pattern matching. Simple sequences.	Reading out short contents. Writing simple 1 line sentences.
Week 2	1) Security of files. 2) Installing software on linux, 3) Basic shell scripting, 4) Execute programs. 5) vi editor		1) What and How in testing. 2) Test conditions or scenarios for fields, pages. 3) Positive and negative testing	Pattern elimination. Medium complex sequences.	Reading documents. Writing summary of details.
Week 3	1) Running and stopping processes, 2) Status checks for process and ports		1) Boundary conditions. 2) Equivalence partitions. 3) Sample data preparation. 4) Exploratory testing. 5) Test scenario documentation	High complex sequences. Simple arithmetic.	Taking notes in meeting. Asking clarifications. Comprehension.
Week 4	1) Install webserver 2) Install database. 3) Monitor details on webserver. 4) Monitor details on database	1) Use of excel for basic data processing. 2) Excel filter, sum, sort, vlookup, pivot	1) Formal understanding of requirements. 2) Asking questions on features. 3) Documenting clarifications. 4) Test case documentation	Trace the origin of problem from case studies.	Right usage of instant messaging. Right usage of emails. Words to avoid.
Week 5	1) Know standard syslog, db log, app server log. 2) See how to infer from log files	1) RDBMS concepts. 2) CRUD methodology. 3) Table creation. 4) Insert data. 5) Basic select	1) Workflow scenarios. 2) Workflow test cases. 3) Data preparation for workflow tests. 4) Test execution. 5) Bugzilla. 6) Jira	Standard questions to ask and steps to take.	Conversing one to one.
Week 6		1) Basic update. 2) Basic Delete. 3) Select with where and order by	1) Introduction to CRM, HR. 2) Testing CRM and HR applications. 3) Bug tracking. 4) Different user groups and access rights	2 step derivation problems.	Conversing one to one.
Week 7		1) Select with group by, 2) Aggregate functions. 3) Update and Delete with where clauses	1) Testing POS, Hospital Management system. 2) Testing masters and transactions. 3) Daily status reports	3 step derivation problems.	Conversing in a team meeting.
Week 8		1) Index files. 2) Views. 3) Load data from csv files	1) Introduction to ERP concepts. 2) Testing masters and transactions. 3) Testing reports and dashboards. 4) Testing mobile applications	Basics of area, volume, length, distance.	Conversing in a team meeting.
Week 9		1) Commit and rollback	1) Change Requests. 2) Test impact analysis. 3) Introduction to test automation tools. 4) Requirements traceability matrix. 5) Requirements coverage	Physics basics	Time management. Daily duties. Going the extra mile.
Week 10			1) Install selenium. 2) Record scripts. 3) Export in Python. 4) Browser compatibility tests. 5) Browserstack.	Chemistry basics	Reverse presentation.

Week 11			1) Install python. 2) Basic python elements. 3) if then else conditions. 4) Extend scripts with object locators 5) Python loops. 6) Lists 7) Sets 8) Tuple. 9) Functions. 10) Selenium data driven tests. 11) Assert test results	Matrices and operations.	Reverse presentation.
Week 12			1) Python libraries. 2) Python functions and parameters. 3) Log results to extent reports. 4) API testing, Postman	Simple linear equations.	Handling crisis moments.
Week 13			1) Run multiple tests from multiple machines. 2) Checkin and checkout scripts to Git. 3) Exception handling. 4) API testing, Postman	Simple linear equations.	Handling crisis moments.
Week 14			1) Introduction to performance testing. 2) Introduction to Jmeter. 3) Record scripts 4) Jmeter data parameters. 5) Data correlation.	3 variable linear equations.	Teach a junior.
Week 15			1) Multiple scenarios. 2) Load generators. 3) Execute 1000s of users 4) Generate test results. 5) Interpret results. 6) Introduction to application performance monitoring.	3 variable linear equations.	Teach a junior.
Week 16			1) APM data on CPU, Memory, Disk, Network and transactions. 2) APM data on web server and databases 3) Introduction to security testing. 4) OWASP top 10 concepts. 5) Install burp suite	Simple interest, compound interest.	Prepare for interview. Attend mock interviews.
Week 17			1) Conduct tests using burp suite. 2) Project team formation and intro	Geography of India, word games	Prepare for interview. Attend mock interviews.
Week 18			Project	Geography of India, word games	Prepare for interview. Attend mock interviews.
Week 19			Project	Daily aptitude tests	Prepare for interview. Attend mock interviews.
Week 20			Project	Daily aptitude tests	Prepare for interview. Attend mock interviews.