Chapter1: Introduction to VCS

* Need of VCS
* Big bang integration

Chapter2: Type of VCS

* Centralized VCS
* Distributed VCS
* Installing GIT

Chapter3: GIT working tree

* Local Area
* Staging Area
* Local repository
* Remote repository
* git config command

Chapter4: GIT restore and git reset.

Chapter5: GIT branching

Chapter6: GIT merging (fast-forward and 3-way merge)

Chapter7: Cherry-pick and git rebase

Chapter8: Working with commit

Chapter9: GIT remote repository

Chpater10: Jenkins installation and sample job execution Basic Mantra: Ensure that user has given necessary tools c

Chapter11: Build Tool

* Maven goal: Build, test, Deploy, compile, package.
* Console log
* Packaging of application(EAR, WAR and JAR)

Chapter12: Maven configuration

Chapter13: Jenkins plugin manager> Periodic backup manager

Chapter14: User management Jenkins

Chapter15: Distributed build, and master slave setup

Chapter16: Distributed build with SSH connectivity.

Chapter17: Jenkins Build configuration

Chapter18: Jenkins pipeline

Chapter19: Declarative and scripted pipeline

Chapter20: Jenkins Variable and control flow

Chapter21: stash and unstash in jenkins

Chapter22: sonarqube and artifactory configuration

Chapter23: Day and night build

Chapter24: GIT pull and CICD setup