Git Syllabus
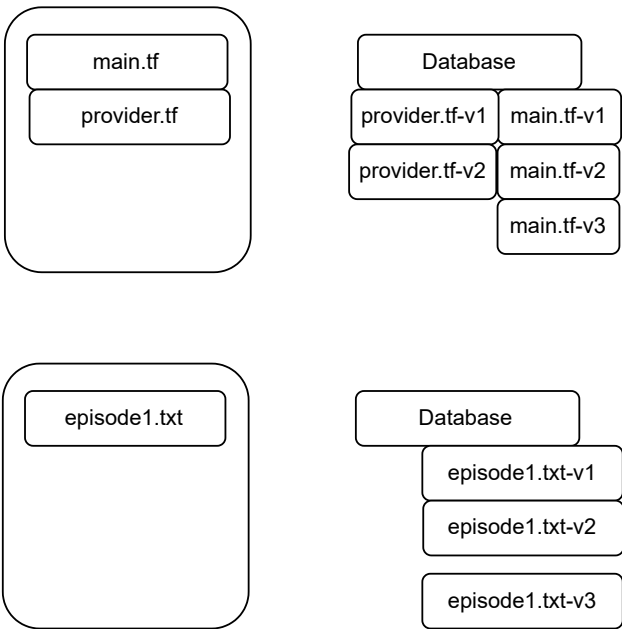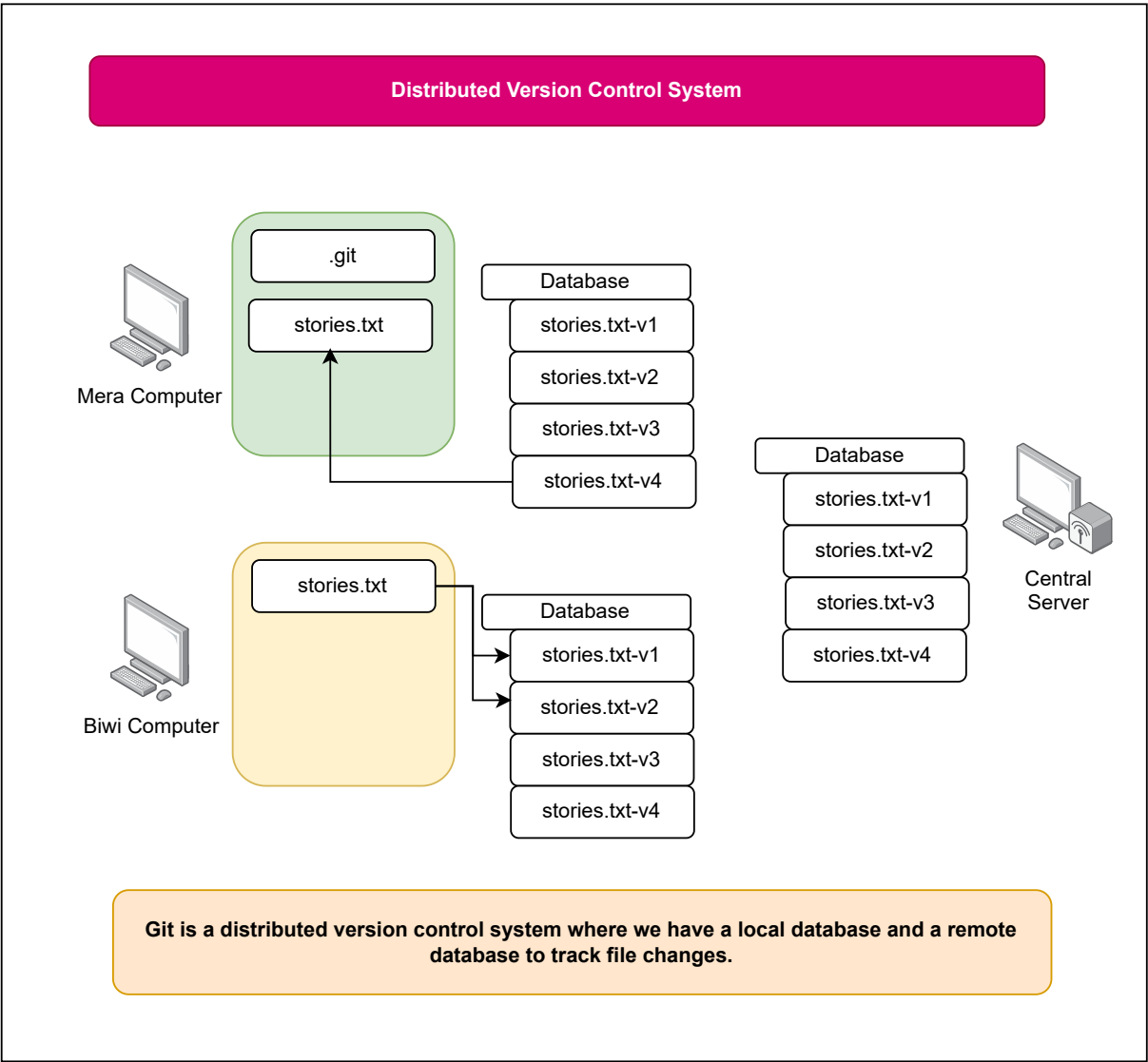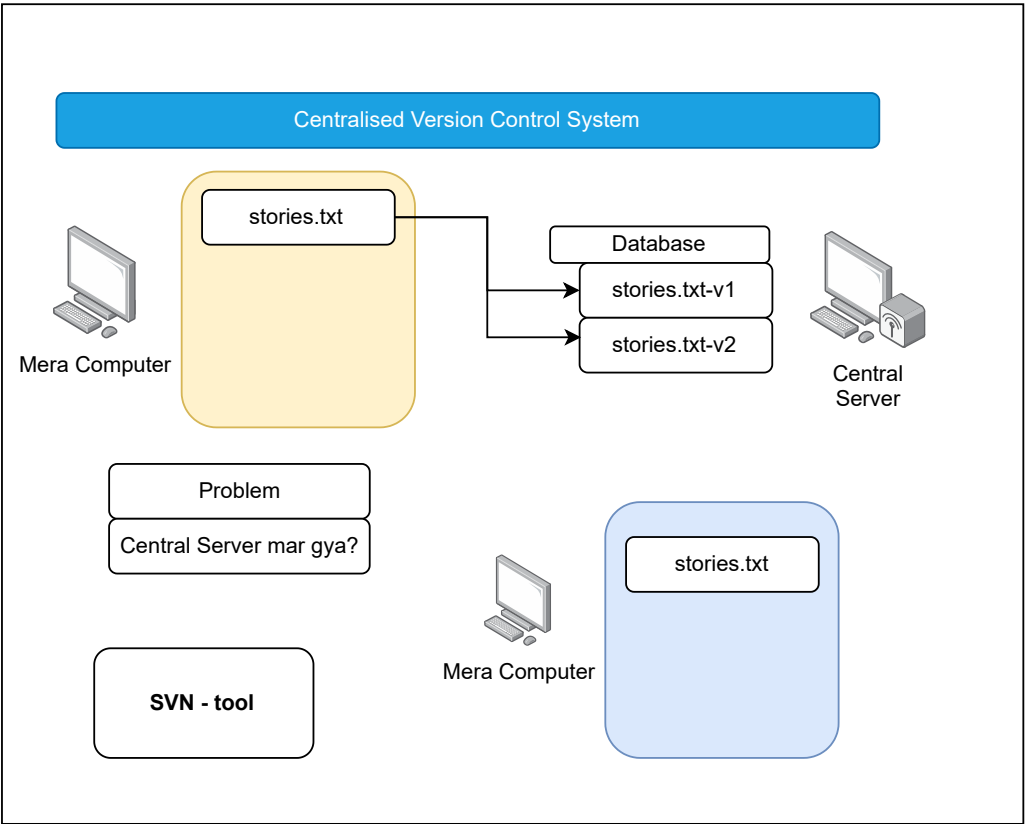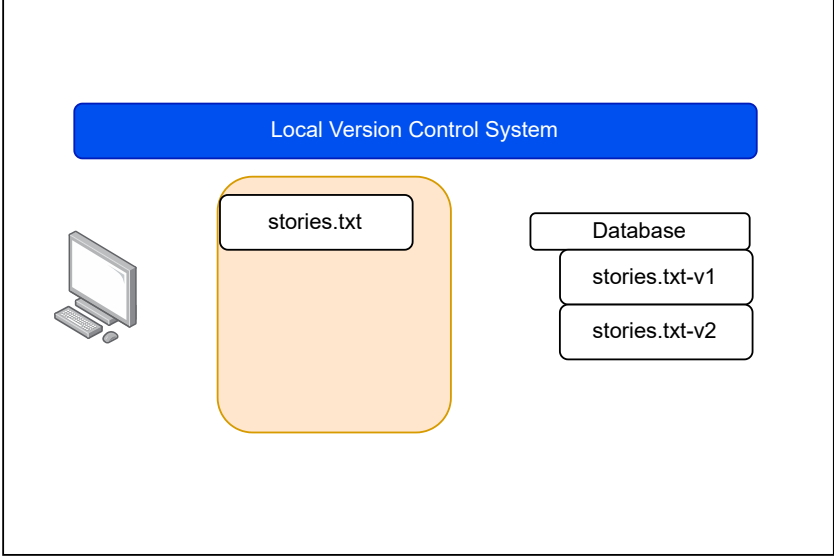
- What is Version Control?
- Setting up Git
- Basic Git Commands
- Modified, Staging, Commited Area
- Tracking System in Git
- Git Log
- Revert a Commit
- Git Branches
- Merge and Pull Request
- Remote Repository
- Cloning, Pulling and Pusing Changes
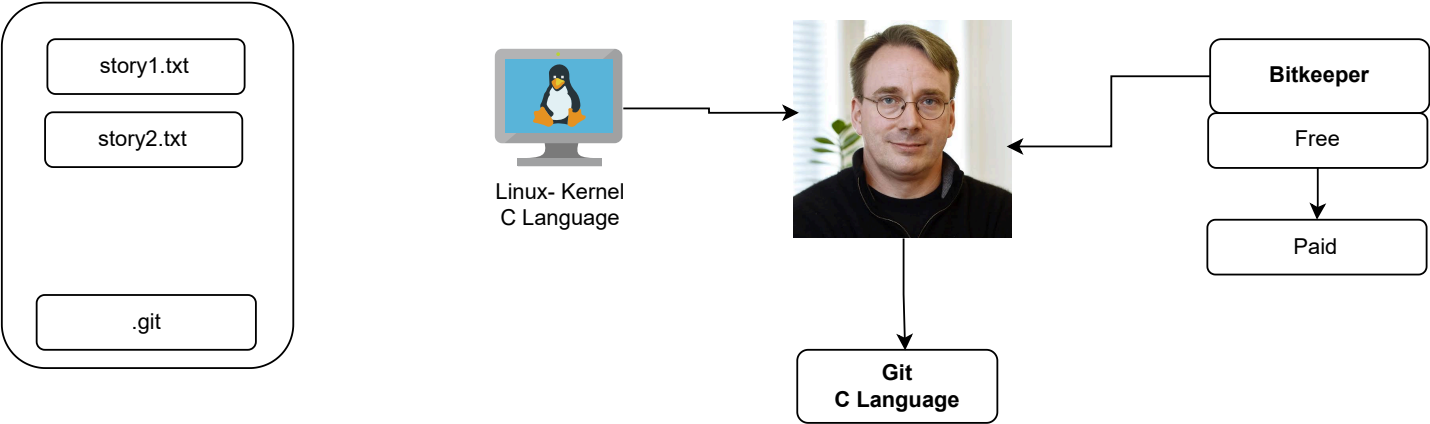- Git Conflicts

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What is Version Control?

main.tf
provider.tf

Database

provider.tf-v1	main.tf-v1
provider.tf-v2	main.tf-v2
	main.tf-v3

episode1.txt

Database

- episode1.txt-v1
- episode1.txt-v2
- episode1.txt-v3

Types of Version Control Systems

Local Version Control System

stories.txt

Database
- stories.txt-v1
- stories.txt-v2

Centralised Version Control System

stories.txt

Mera Computer

Database
- stories.txt-v1
- stories.txt-v2

Central Server

Problem

Central Server mar gya?

SVN - tool

Mera Computer

stories.txt

Distributed Version Control System

.git
stories.txt

Mera Computer

Database
- stories.txt-v1
- stories.txt-v2
- stories.txt-v3
- stories.txt-v4

Database
- stories.txt-v1
- stories.txt-v2
- stories.txt-v3
- stories.txt-v4

Central Server

stories.txt

Biwi Computer

Database
- stories.txt-v1
- stories.txt-v2
- stories.txt-v3
- stories.txt-v4

Git is a distributed version control system where we have a local database and a remote database to track file changes.

Git - Opensource Software

story1.txt
story2.txt
.git

Linux- Kernel
C Language

Bitkeeper

Free

Paid

**Git
C Language**

CLI

Git repository - ek esa folder hota hai jisme .git folder hota hai...

git init - Initialise a empty repository

Files

Untracked - Jo git nahi janta

Tracked - Jo git janta hai...

.git
story.txt
climax.txt

Git Database
- story.txt-v1
- climax.txt-v1