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## **OBJECTIVES**

- > Explain the process of making a Git Repository
- > Making a clone of an existing Git Repository
- > Understand configuration of Git
- > Explain staging and committing changes

#### GETTING A GIT REPOSITORY

#### Defining Repository

· Home for all files and projects

Process of Creation of Repositories

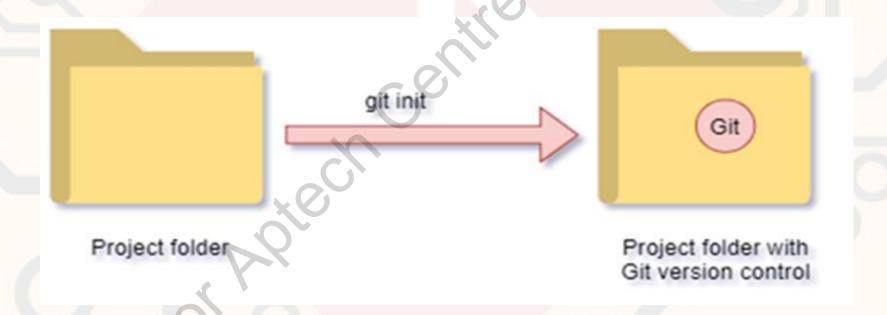
- · Creating a New Repository
- Cloning an Existing Repository

## SETTING UP THE PROJECT FOLDER 1-3

Setting up a new project folder with Git

Adding Git to an existing project folder

The .Git Directory



# SETTING UP THE PROJECT FOLDER 2-3

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# SETTING UP THE PROJECT FOLDER 3-3

Setting up a new project folder with Git

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The .Git Directory

A Sub-Folder for Objects

A Sub-Folder for Refs

A Head File

## GIT CONFIGURATION

Different Levels of Configuration

> Local Level

Global Level

System Level

#### Configuring Git

Git can be configured by executing a command

## GIT CLONE

Using the Clone Command

Setting the Target Name







Working copy of Git repository

# FIRST COMMIT First Commit Committing Staging Files Files **Working Directory** git add Staging Area git commit Repository

#### SUMMARY

- Git provides commands to enable creating and cloning of a Git repository.
- It is easy to create and set up a Project folder with Git repository
- · You can add Git to an existing folder
- · Git configuration can be customized at various levels
- Git clone command enables you to create a copy of a repository
- The process of committing changes in Git is like saving changes