Uday Kumar S	
	Git Configuration and Setup
git -version	Shows the current version of your installed Git
git help	Displaying the main help documentation, showing a list of commonly used Git commands
git config –global user.name "Your Name"	Set your username globally
git config –global user.email "youremail@example.com"	Set your email globally
git config –global color.ui auto -	Set to display colored output in the terminal
	Initializing a Repository
git init	Initializes a new Git repository in the current directory
git init <directory></directory>	Creates a new Git repository in the specified directory
git clone <repository_url></repository_url>	This clones a repository from a remote server to your local machine
git clone –branch	Clones a specific branch from a repository
 dranch_name>	
<repository_url></repository_url>	
	Basic Git Commands
git add <file></file>	Adds a specific file to the staging area
git add . or git add -all	Adds all modified and new files to the staging area
git status	Shows the current state of your repository, including tracked and untracked files, modified files, and branch information
git status -ignored	Displays ignored files in addition to the regular status output
git diff	Shows the changes between the working directory and the staging area
git diff <commit1> <commit2></commit2></commit1>	Displays the difference between two commits
git diff -staged or git diff -	Displays the changes between the staging area and the last commit
cached	
git diff HEAD	Displays the difference between the current directory and the last commit
ait agreeit	Creates a new commit with the changes in the staging area and opens the default
git commit	text editor for adding a commit message
git commit -m " <message>" or</message>	Creates a new commit with the changes in the staging area and specifies the
git commit –message	commit message inline
" <message>"</message>	
git commit –a or git commit -all	Commits all modified and deleted files in the repository without explicitly using git add to stage the changes
git notes add	Create a new note and associates it with an object
git restore <file></file>	Restores the file in the working directory to its state in the last commit
git reset <commit></commit>	Moves the branch pointer to a specified commit, resetting the staging area and the working directory to match the specified commit
git reset -hard <commit></commit>	Moves the branch pointer to a specified commit, discarding all changes in the staging area and the working directory, effectively resetting the repository to the specified commit
git rm <file></file>	Removes a file from both the working directory and the repository, staging the deleation
git mv	Moves or renames a file or directory in your Git repository
	Git Commit
git commit -m "feat:message"	Creates a new commit in a Git repository with a specific message to indicate a new feature commit in the repositor
git commit -m "fix: message"	Create a new commit in a Git repository with a specific message to fix the bugs in codebases
git commit -m "chore: message"	Create a new commit in a Git repository with a specific message to show routine tasks or maintenance.

## **Uday Kumar S**

git commit -m "refactor: message"  git commit -m "docs: message"  git commit -m "style: message"  git commit -m "fest: message"  git commit -m "fest: message"  git commit -m "fest: message"  git commit -m "style: message"  git commit -m "fest: message"  git commit -m "fest: message"  git commit -m "in "perf: message"  git commit -m "in message"  git pall message to change the documentation.  Create a new commit in a Git repository with a specific message to indicate the continuous integration (Ci) system-related changes.  Create a new commit in a Git repository with a specific message to indicate the continuous integration (Ci) system-related changes.  Create a new commit in a Git repository with a specific message to indicate the continuous integration (Ci) system-related changes.  Create a new commit in a Git repository with a specific message to indicate the continuous message in the message to message to indicate the continuous message in the message to message to indicate the continuous message in the message t	Uday Kumar S	
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Remote Repositories  git fetch Retrieves change from a remote repository, including new branches and commit. Retrieves change from the specified remote repository.  Removes any remote-tracking branches that no longer exist on the remote repository.  Fetches changes from the remote repository and merges them into the current branch.  Fetches changes from the specified remote repository and merges them into the		Creates an annotated tag at the current commit with a custom message
git fetch   Retrieves change from a remote repository, including new branches and commit.  Retrieves change from the specified remote repository.  Removes any remote-tracking branches that no longer exist on the remote repository.  Fetches changes from the remote repository and merges them into the current branch.  Fetches changes from the specified remote repository and merges them into the	" <message>"</message>	
git fetch < remote>       Retrieves change from the specified remote repository.         git fetch -prune       Removes any remote-tracking branches that no longer exist on the remote repository.         git pull       Fetches changes from the remote repository and merges them into the branch.         git pull cremote>       Fetches changes from the specified remote repository and merges them into the		·
Removes any remote-tracking branches that no longer exist on the remote repository.  Fetches changes from the remote repository and merges them into the current branch.  Fetches changes from the specified remote repository and merges them into the	_	
repository.  git pull  git pull  repository.  Fetches changes from the remote repository and merges them into the current branch.  Fetches changes from the specified remote repository and merges them into the	git fetch <remote></remote>	
branch.  Fetches changes from the specified remote repository and merges them into the	git fetch –prune	repository.
CIT NUIL ZEOMOTOS	git pull	
	git pull <remote></remote>	

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git pull –rebase	Fetches changes from the remote repository and rebases the current branch onto the updated branch.
git push	Pushes local commits to the remote repository.
git push <remote></remote>	Pushes local commits to the specified remote repository.
git push <remote> <branch></branch></remote>	Pushes local commits to the specified branch of the remote repository.
git push –all	Pushes all branches to the remote repository.
git remote	Lists all remote repositories.
git remote add <name> <url></url></name>	Adds a new remote repository with the specified name and URL.
Git Comparison	
git show	Shows the details of a specific commit, including its changes.
git show <commit></commit>	Shows the details of the specified commit, including its changes.
Git Managing History	
git revert <commit></commit>	Creates a new commit that undoes the changes introduced by the specified commit.
git revert -no-commit	Undoes the changes introduced by the specified commit, but does not create a
<commit></commit>	new commit.
git rebase <branch></branch>	Reapplies commits on the current branch onto the tip of the specified branch.