

Assignment - 1

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Aim: 10 study and implement Version control using GIE

Theory:

Versions control allow you to keep brock of your work and lease of failure and occidental deletions. It includes the design of the deletions of included in the deletions of failure and occidental systems have control mechanisms. The while a feature of version control systems work as independent standard approached mechanisms. The Unique traduces of version control systems for the document and file types. It does not require and the document and file types. It does not require and the document and file types. It does not require and the document and file types, is extremely helpfulg in the document which helps in differentiating letween the following the particular for the deletions. It includes the particular for the particul

The various types of the version control systems cop:

1. Local Version Control System

a. CENTrulized Version Control System

3. Distributed version control system.

1. Local Version control Egetom: - Local vorsion control
system maintains track of files within the Local
system. This approach is very common and simple.
This type is also error prove which means the chances
of accidentally writing to wrong file is higher
[1.]



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	Stored	· · · · · · · · · · · · · · · · · · ·		
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2. Centralized Version Control System: In this approach all the changes in the tile one tracted under the controlized server include all the interaction of yorkined tile, and hist of cliak that check out files from that central place.

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Computer A	Version Data	
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computer B		
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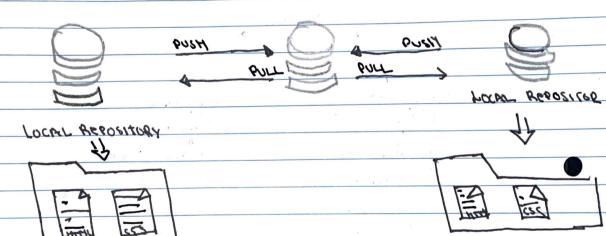


3 Distributed Version Control System: - Distributed version control systems come into picture to arevcome the drawbak Of centralized version control system. The clients complety clone the repository including its full history. It any server dies, any of the client repositioner on be copied On to the source which nelp rectore the cover. Server Computer Vension Database Version & (noised) NEWSON -Computor A Composer B (Files) (gile) Version Dubblane Version Dubber Version 3 Version 3 VENSIONS Newsiang Version Version bit is a free and open-source distributed version control system designed to hardle everything for small to very Large projects with speed and efficiency. Git is agy to searly and has a time footprint with digthing - fest Den formance. It outclosses SCH tooks like Subversions, CUS, partore, and (low lose with teatures like cheap load branching, convenient storying over, and mothers markfrows. Git is a Mistanted nonline control Editor (DUCS). "Distributes" Wany that developed within a tray



have a complete version of the project. A version control system is simply software that lets you effectively manage application version. Than to but, you'll be obtle to be by the following:

- · Keep track of all files in a project
- · Nelard any changes to project files
 - · Kestone previous versions of files
 - · lampare and and yze code
 - . WENCE code from different computers and gifferent



The commonly used git command on whiteday follows.

Git: configurations

Git: configurations

Git: config -- Global user-name. "First-Name Lathere"

Git: config -- Global user-name. "Goor-email a emailprom

Git: config -- Global abor-ui true

Git: config -- list



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	S git init
	& git stops.
	Git: Studing tiles
	I git all < file-name)
	\$ git odd <file -="" name=""> <another-file-name> < get -capter-file-name</another-file-name></file>
	I git octal.
	\$ 9it ochelall
	9 911 000 -A
	6 git ym - cochal file-reme)
	& git reget (like-nove).
	Cit: committing to a repositors
	8 git commit -m "Add three files"
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	8 git remove cold urgin <111/2
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	Git: browning
	g git trans
9	3 git branch < branch - name)
	3 git thedood < byon ch - maps
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Con clusion: Thus, we have successfully studied and implemented Version control using GIT.