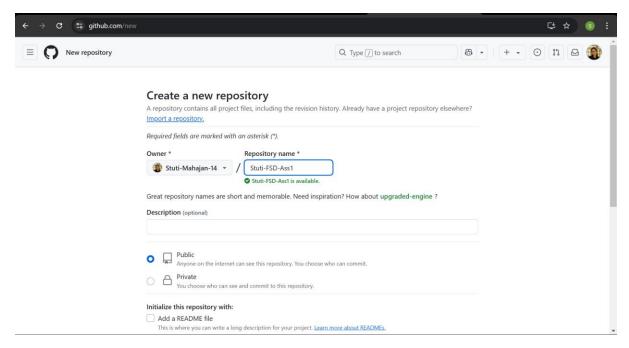
	1032210206 - 50-111
	1032210806 - Stuti Mahajan
	1032210806 - Stament 1. FSD - Lab Assignment 1.
	FSD - Lab rissign
	Theory -
	sion commol
1.	What is Git? What yoursion control system that
-	THE IS U.S. AND FAILURED TO THE
	helps diverber the helps attom by enabling
	helps developes track & manage on the enabling in a project, it allows collaboration by enabling in a project, it allows collaboration by enabling in a project simul
	in a project. It allows corrabbilities and project simul multiple users to work on the same project simul
	to many sty
	Version control & a system that records changes to
	live over time allowing you to recall specific
	Version control & a system that recall specific files over time, allowing you to recall specific versions, collaborate efficiently, and manage code
	Vensions, condenses
	evolution.
	· Oct he wasion controlling?
2.	How to use Git for version controlling?
_	To 1110 Att for Version Commen
b.	add files using git add.
c.	Save changes with 'git commit -m "message": Push the changes to a remote supersitory using git
4	Push the changes to a remote supository using git
<u> </u>	push'& pull updates with 'git pull' for collaboration.
	push a push up some
	500 :
	FAQ -
1.	What is branching in Git?
_	· Branching in Git allows us to create independent
	branching in Git allows us to create independent lines of development within a respository. It enables you to work on features, fixes / experiments screen
	when the work on features lives I was in the screen
	you to work our familes, fixes / experiments special

	PAGE No.
	tely without affecting the main codebase, and later merge changes back when ready.
	How to create and merge branches in Git? Write the commands used.
/ -	o To create a branch: git branch branch name
	To mage a branch:
	switch to the branch you want to muge into -> git checkout main Merge, the branch ->
•	Merge the branch -> git merge branch name

SCREENSHOTS OF OUTPUT:



```
Microsoft Windows [Version 10.0.22631.4602]
(c) Microsoft Corporation. All rights reserved.

C:\Users\conne\git clone https://github.com/Stuti-Mahajan-14/Stuti-FSD-Ass1.git
Cloning into 'Stuti-FSD-Ass1'...
marning: You appear to have cloned an empty repository.

C:\Users\conne\Stuti-FSD-Ass1|

C:\Users\conne\Stuti-FSD-Ass1|

C:\Users\conne\Stuti-FSD-Ass1>git commit -m "Initial commit"

C:\Users\conne\Stuti-FSD-Ass1>git commit -m "Initial commit"

1 file changed, 1 insertion(+)
create mode 100644 GIT-Ass1.txt

C:\Users\conne\Stuti-FSD-Ass1>git push origin main
Enumerating objects: 100% (3/3), done.

Wirting objects: 100% (3/3), dane.

Wirting objects: 100% (3/3), dane.

Total 3 (delta 0), reused 0 (delta 0), pack-reused 0

To https://github.com/Stuti-FSD-Ass1>git

* [new branch] main -> main -> main

C:\Users\conne\Stuti-FSD-Ass1>
```

```
To https://github.com/Stuti-Mahajan-14/Stuti-FSD-Assl.git
* [new branch] main -> main

C:\Users\conne\Stuti-FSD-Assl>git checkout -b feature_branch
Switched to a new branch 'feature_branch'

C:\Users\conne\Stuti-FSD-Assl>git add feature" >> feature.txt

C:\Users\conne\Stuti-FSD-Assl>git commit -m "Added feature"

[feature_branch 23ecubl] Added feature
1 file changed, 1 insertion(*)
create mode 100644 feature.txt

C:\Users\conne\Stuti-FSD-Assl>git push origin feature_branch
Enumerating objects: 100% (4/4), done.
Delta compression using up to 12 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 312 bytes | 312.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'feature_branch' on GitHub by visiting:
remote: Create a pull request for 'feature_branch' on GitHub by visiting:
remote: https://github.com/Stuti-Mahajan-14/Stuti-FSD-Assl.git
* [new branch] feature_branch -> feature_branch

C:\Users\conne\Stuti-FSD-Assl>|
```

```
C:\Users\conne\Stuti-FSD-Ass1>git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

C:\Users\conne\Stuti-FSD-Ass1>git pull origin main
From https://github.com/Stuti-Mahajan-14/Stuti-FSD-Ass1
* branch main -> FETCH_HEAD
Already up to date.

C:\Users\conne\Stuti-FSD-Ass1>git merge feature_branch
Updating 25262c9..23ec4b1
Fast-forward
feature.txt | 1 *
1 file changed, 1 insertion(+)
create mode 100644 feature.txt

C:\Users\conne\Stuti-FSD-Ass1>
```

