

ASSIGNMENT – II

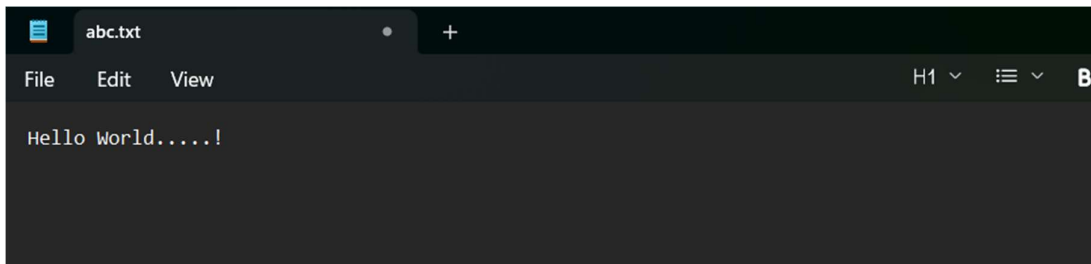
TITLE :

Create feature branches for the project, merge them, and resolve conflicts to maintain separate workspaces for team collaboration.

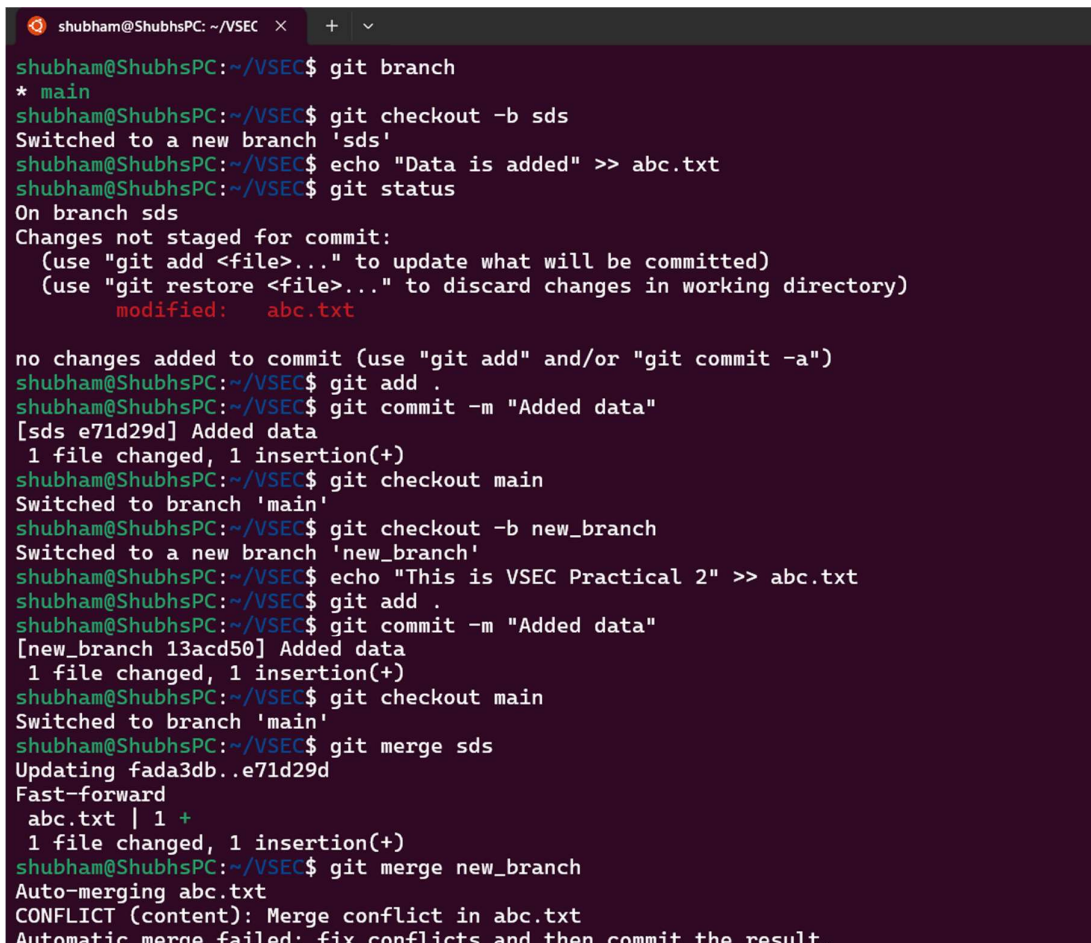
NAME : Shinde Shubham Dnyandev.

ROLL NO : 23107121.

BATCH : B

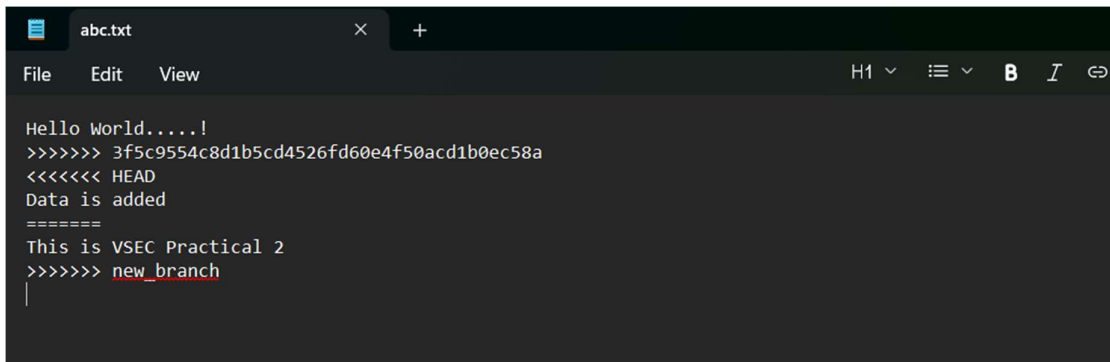


A screenshot of a text editor window. The title bar shows 'abc.txt'. The menu bar has 'File', 'Edit', and 'View'. The status bar shows 'H1', a list icon, and 'B'. The main text area contains the text 'Hello World.....!'.



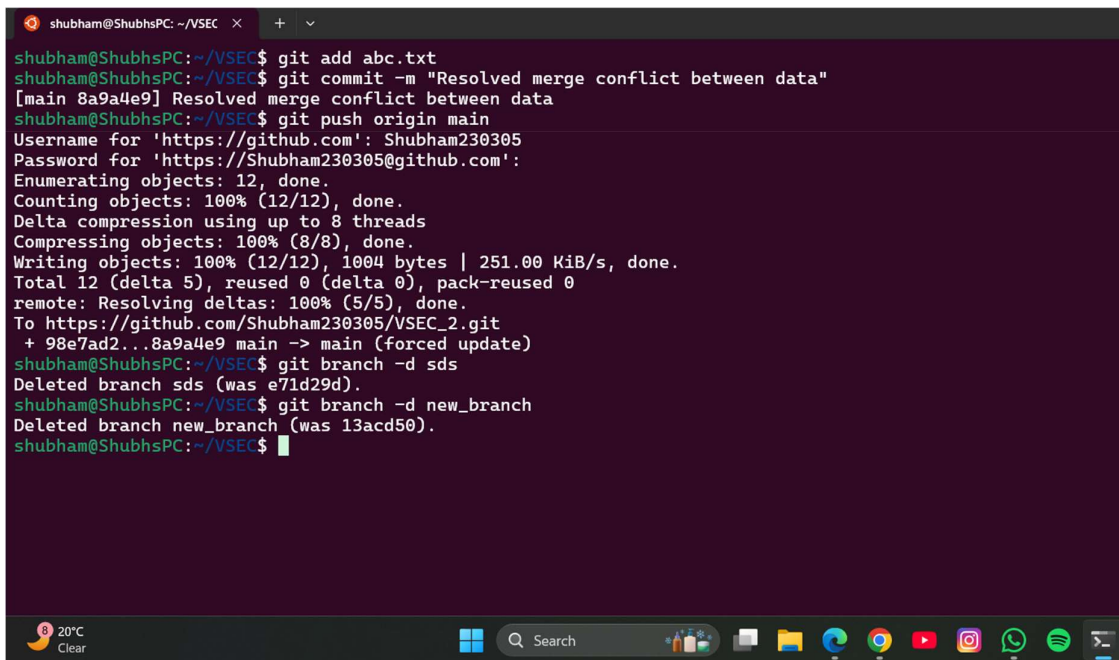
```
shubham@ShubhsPC: ~/VSEC
shubham@ShubhsPC:~/VSEC$ git branch
* main
shubham@ShubhsPC:~/VSEC$ git checkout -b sds
Switched to a new branch 'sds'
shubham@ShubhsPC:~/VSEC$ echo "Data is added" >> abc.txt
shubham@ShubhsPC:~/VSEC$ git status
On branch sds
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   abc.txt

no changes added to commit (use "git add" and/or "git commit -a")
shubham@ShubhsPC:~/VSEC$ git add .
shubham@ShubhsPC:~/VSEC$ git commit -m "Added data"
[sds e71d29d] Added data
 1 file changed, 1 insertion(+)
shubham@ShubhsPC:~/VSEC$ git checkout main
Switched to branch 'main'
shubham@ShubhsPC:~/VSEC$ git checkout -b new_branch
Switched to a new branch 'new_branch'
shubham@ShubhsPC:~/VSEC$ echo "This is VSEC Practical 2" >> abc.txt
shubham@ShubhsPC:~/VSEC$ git add .
shubham@ShubhsPC:~/VSEC$ git commit -m "Added data"
[new_branch 13acd50] Added data
 1 file changed, 1 insertion(+)
shubham@ShubhsPC:~/VSEC$ git checkout main
Switched to branch 'main'
shubham@ShubhsPC:~/VSEC$ git merge sds
Updating fada3db..e71d29d
Fast-forward
 abc.txt | 1 +
 1 file changed, 1 insertion(+)
shubham@ShubhsPC:~/VSEC$ git merge new_branch
Auto-merging abc.txt
CONFLICT (content): Merge conflict in abc.txt
Automatic merge failed; fix conflicts and then commit the result.
```



A screenshot of a text editor window titled "abc.txt". The editor has a dark theme and a menu bar with "File", "Edit", and "View". The content of the file is as follows:

```
Hello World.....!  
>>>>>> 3f5c9554c8d1b5cd4526fd60e4f50acd1b0ec58a  
<<<<<<< HEAD  
Data is added  
=====  
This is VSEC Practical 2  
>>>>>> new_branch  
|
```



A screenshot of a terminal window showing the execution of several git commands. The terminal output is as follows:

```
shubham@ShubhsPC: ~/VSEC $ git add abc.txt  
shubham@ShubhsPC:~/VSEC$ git commit -m "Resolved merge conflict between data"  
[main 8a9a4e9] Resolved merge conflict between data  
shubham@ShubhsPC:~/VSEC$ git push origin main  
Username for 'https://github.com': Shubham230305  
Password for 'https://Shubham230305@github.com':  
Enumerating objects: 12, done.  
Counting objects: 100% (12/12), done.  
Delta compression using up to 8 threads  
Compressing objects: 100% (8/8), done.  
Writing objects: 100% (12/12), 1004 bytes | 251.00 KiB/s, done.  
Total 12 (delta 5), reused 0 (delta 0), pack-reused 0  
remote: Resolving deltas: 100% (5/5), done.  
To https://github.com/Shubham230305/VSEC_2.git  
+ 98e7ad2...8a9a4e9 main -> main (forced update)  
shubham@ShubhsPC:~/VSEC$ git branch -d sds  
Deleted branch sds (was e71d29d).  
shubham@ShubhsPC:~/VSEC$ git branch -d new_branch  
Deleted branch new_branch (was 13acd50).  
shubham@ShubhsPC:~/VSEC$
```