MODULE -5

MANAGING SOURCE CODE – GIT

AND GITHUB

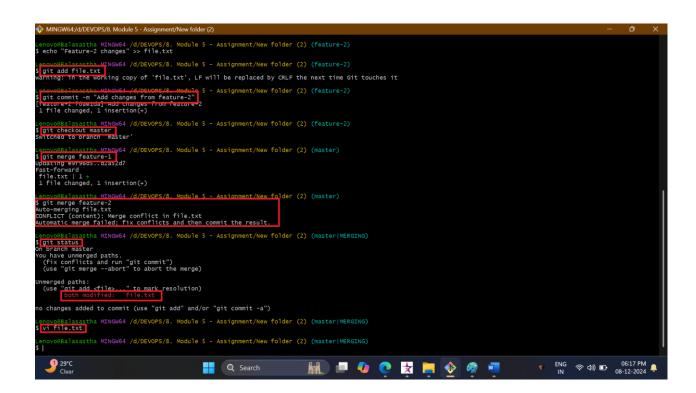
SUBMITTED BY – BALASASTHA P

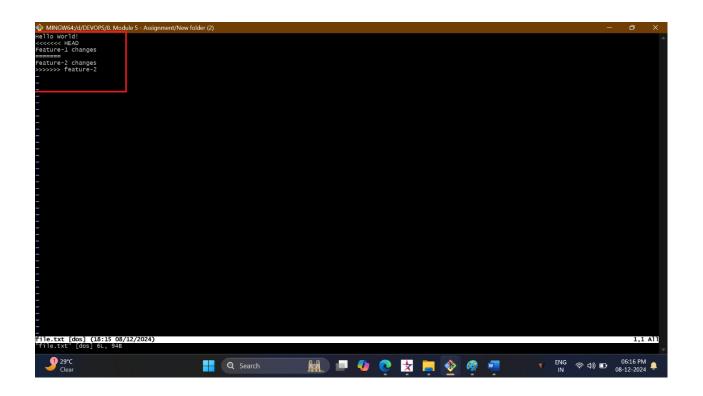
SUBMITTED TO - STARAGILE

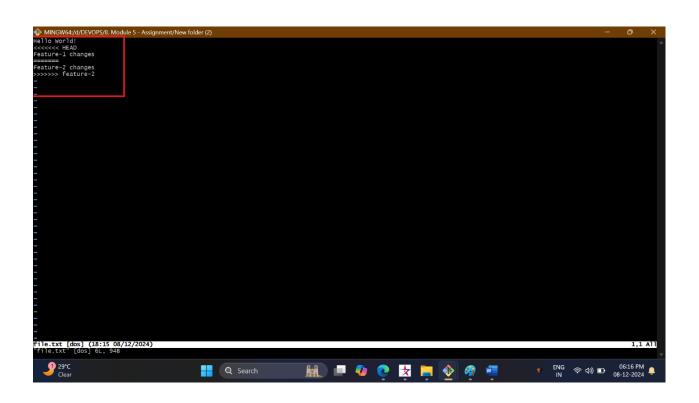
DATE OF SUBMISSION - 08-12-2024

L2 - Create Local git repository and demonstrate git merge and Merge Conflicts with the steps to resolve merge conflicts.

To work with git merge and resolve merge conflicts, first create a folder → Open Git Bash in the folder and initialize a Git repository using "git init" → Add a file using "echo 'Hello World!' > file.txt", commit the changes with "git add file.txt" and "git commit -m 'Initial commit'" → Create a new branch and enter into the branch with "git checkout -b" feature-1" → Add a file using "echo 'Feature-1 changes' > file.txt", commit the changes with "git add file.txt" and "git commit -m 'Add changes from feature-1'" → Switch to the main branch with "git checkout main" and create and enter into another branch using "git *checkout -b feature-2"* → Modify file.txt differently with "echo 'Add changes from feature-2' >> file.txt" and commit the changes with "git add file.txt" and "git commit -m 'feature-2 first commit'" → Return to main with "git checkout main" and merge feature-1 using "git merge feature-1" (this will succeed) → Merge feature-2 using "git merge feature-2", which will cause a conflict \rightarrow Open the conflicting file "vi file.txt" resolve it by combining changes (e.g., keeping both "feature-1 changes" and "feature-2 changes") → Commit the resolved file with "git add file.txt" and merge with "git commit" → Verify the result using "git log --oneline --graph".







```
MINIOWSA/AUDIVOPS/R Module S - Assignment/New folder (2) (master)

senerolizalization Miniows / A/DEVOPS/R. Module 5 - Assignment/New folder (2) (master)

s git merger facture-1
Updating e879645..d233/27
Fast-formand

1 file changed, 1 insertion(-)
1 file changed, 1 insertion(-)
5 git merger facture-2
Woodstrip (File changed, 1 insertion)
5 git merger facture-1
Woodstrip (File changed, 1 insertion)
5 git merger facture-1
Woodstrip (File changed, 1 insertion)
5 git merger facture-1
Woodstrip (File changed, 1 insertion)
5 git merger facture-1
Woodstrip (File changed, 1 insertion)
6 git attail
Woodstrip (File changed, 1 insertion)
6 git attail
Woodstrip (File changed, 1 insertion)
9 git add file (File changed, 1 insertion)
9 git add file (File changed, 1 insertion)
9 git add file (File changed, 1 insertion)
9 git add (File changed, 1 insertion)
```

Assignment completed Thank You!!!