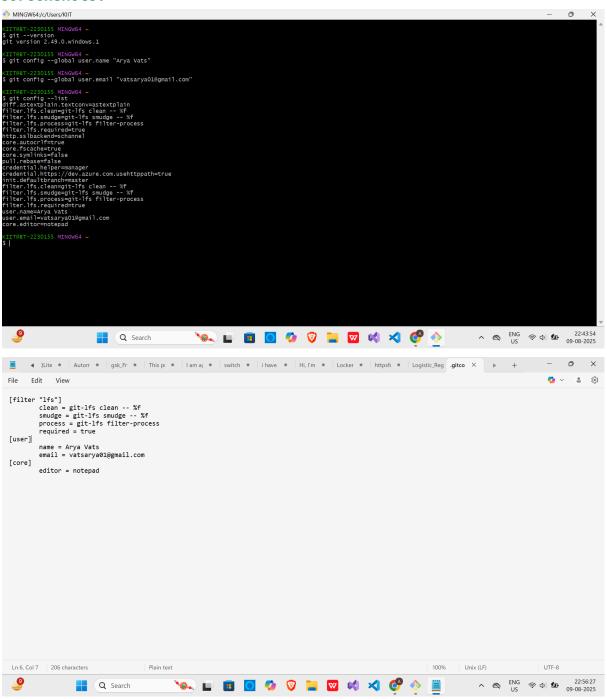
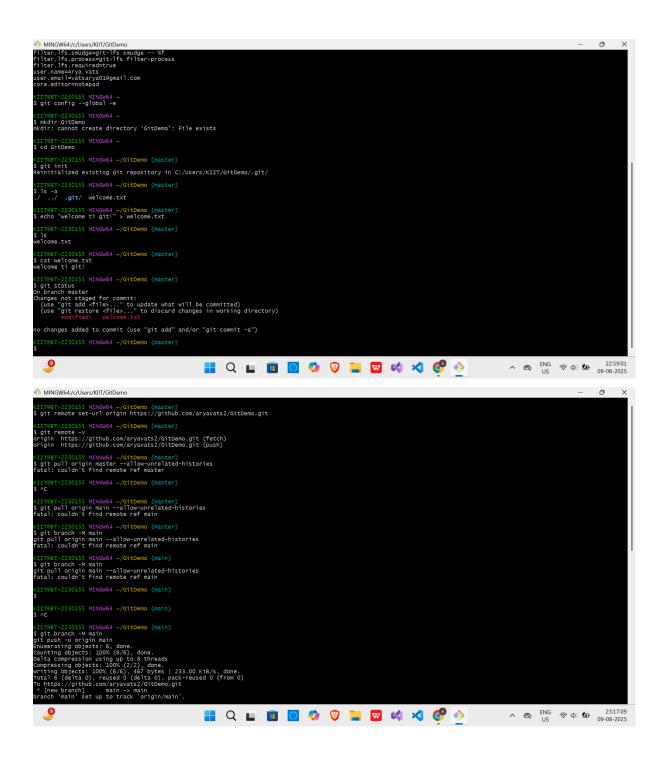
WEEK-8 (Hands-on)

Name - Arya Vats Superset ID - 6358118

Assignment 1 – Git Basics

- git --version
- git config --list
- git init
- ls -a
- echo "Welcome to Git!" > welcome.txt
- 1s
- cat welcome.txt
- git status
- git add welcome.txt
- git commit -m "Added welcome.txt"
- git branch -M main
- git remote -v
- git push -u origin main
- git status





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**MMXWAL/CUser/KIII/GitDemo (Main)

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Assignment 2 - Git Ignore

- cd GitDemo
- echo "This is a log file" > test.log
- mkdir log
- echo "Log folder file" > log/info.txt
- echo "*.log" > .gitignore
- echo "log/" >> .gitignore
- git status (should only show .gitignore)
- git add .gitignore
- git commit -m "Added .gitignore to ignore .log files and log folder"
- git push

• git status

Screenshots:-

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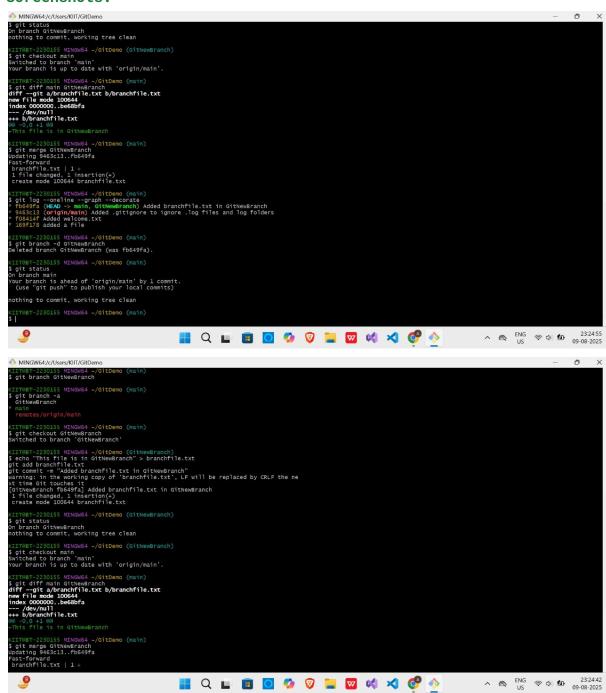
**EITHET-2330155 MINGWGL-)

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Assignment 3 - Branching & Merging

- git branch GitNewBranch
- git branch -a
- git checkout GitNewBranch
- echo "This file is in GitNewBranch" > branchfile.txt
- git add branchfile.txt
- git commit -m "Added branchfile.txt in GitNewBranch"
- git status
- git checkout main
- git diff main GitNewBranch

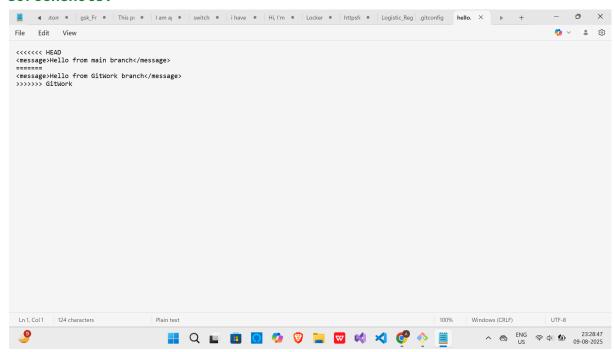
- git merge GitNewBranch
- git log --oneline --graph --decorate
- git branch -d GitNewBranch
- git status



Assignment 4 – Merge Conflict Resolution

- git checkout main
- git status
- git branch GitWork
- git checkout GitWork
- echo "<message>Hello from GitWork branch</message>" > hello.xml
- git add hello.xml
- git commit -m "Added hello.xml in GitWork"
- git checkout main
- echo "<message>Hello from main branch</message>" > hello.xml
- git add hello.xml
- git commit -m "Added hello.xml in main"
- git log --oneline --graph --decorate --all
- git merge GitWork (screenshot showing conflict)
- notepad hello.xml (screenshot optional, show before edit with conflict markers)
- Edit to final version → save & close
- git add hello.xml
- git commit -m "Resolved merge conflict in hello.xml"
- echo "*~" >> .gitignore
- git add .gitignore

- git commit -m "Ignore backup files"
- git branch -d GitWork
- git log --oneline --graph --decorate



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o ×
MINGW64:/c/Users/KIIT/GitDemo
                 status
status
ady on 'main'
branch is ahead of 'origin/main' by 1 commit.
se "git push" to publish your local commits)
ranch main
branch is ahead of 'origin/main' by 1 commit.
se "git push" to publish your local commits)
      othing to commit, working tree clean
               T@BT-2230155 MINGW64 ~/GitDemo (main)
it branch GitWork
checkout GitWork
tched to branch 'GitWork'
                   Beth-2230155 MINGW64 -/GitDemo (GitWork)

ho "cmessage-Hello from GitWork branch</message>" > hello.xml

add hello.xml

ing: in the working copy of "hello.xml", LF will be replaced by CRLF the next ti

tt touches it

work 395cbc4] added hello.xml in GitWork

ile changed, 1 insertion(+)

ate mode 100644 hello.xml
            "Rete mode 100s44 hello.xml

"TRET-2230155 MINGW64 -/GitDemo (GitWork)

pit checkout main

to "cmessage>Hello from main branch</message>" > hello.xml

: add hello.xml
: commit -m "Added hello.xml in main"

: commit -m "Added hello.xml in main"

treath to branch 'main'

or branch is ahead of 'origin/main' by 1 commit.

[use 'git push" to publish your local commits)

ning: in the working copy of 'hello.xml', LF will be replaced by CRLF the next ti

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      CIT8BT-2230155 MINGW64 -/GitDemo (main)
git log --oneline --graph --decorate --all
673ff94 (HEAD -> main) Added hello.xml in main
* 395cb4 (GitWork) Added hello.xml in GitWork
                                                                                                                                                                                                                                       ■ Q ■ 🖪 🔘 🐶 🦁 🚾 📢 🚧 🗳 🔗 ^ 🖎 ENG 🕏 🐠 💁 2331:22
                                      a Added branchfile.txt in GitNewBranch
3 (origin/main) Added .gitignore to ignore .log files and log folders
f Added welcome.txt
8 added a file
             opTrJo added a file
TMSHT-2230155 MINGWG4 -/GitDemo (main)
it merge GitWork
o-merging hello.xml
FILICT (add/add): Merge conflict in hello.xml
omatic merge failed; fix conflicts and then commit the result.
         IT@BT-2230155 MINGW64 ~/GitDemo (main|MERGING)
notepad hello.xml
               TRET-2230155 MINGW64 -/GitDemo (main|MERGING)
it add hello.xml
commit -m "Resolved merge conflict in hello.xml
in Selfole] Resolved merge conflict in hello.xml
                TRBET-223015 MINGNGA -/GitDemo (main)
tho "e." >> .gitinore
add .gitinore
commit -m "Ignore backup files"
ining: in the working copy of '.gitinore', LF will be replaced by CRLF the next t
Git touches it
in 0273383, Inore backup files
file changed, 1 insertion(+)
        IT@BT-2230155 MINGW64 ~/GitDemo (main)
        t log --oneline --graph --decorate
027338a (HEAD -> main) Ignore backup files
5elf0le Resolved merge conflict in hello.xml
                395cbc4 Added hello.xml in GitWork 6f3ff94 Added hello.xml in main
                       49fa Added branchfile.txt in GitNewBranch
3cl3 (origin/main) Added .gitignore to ignore .log files and log folders
414f Added welcome.txt
f178 added a file

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Assignment 5 - Clean Up & Push

- git checkout main
- git status
- git branch -a

- git pull origin main
- git push origin main