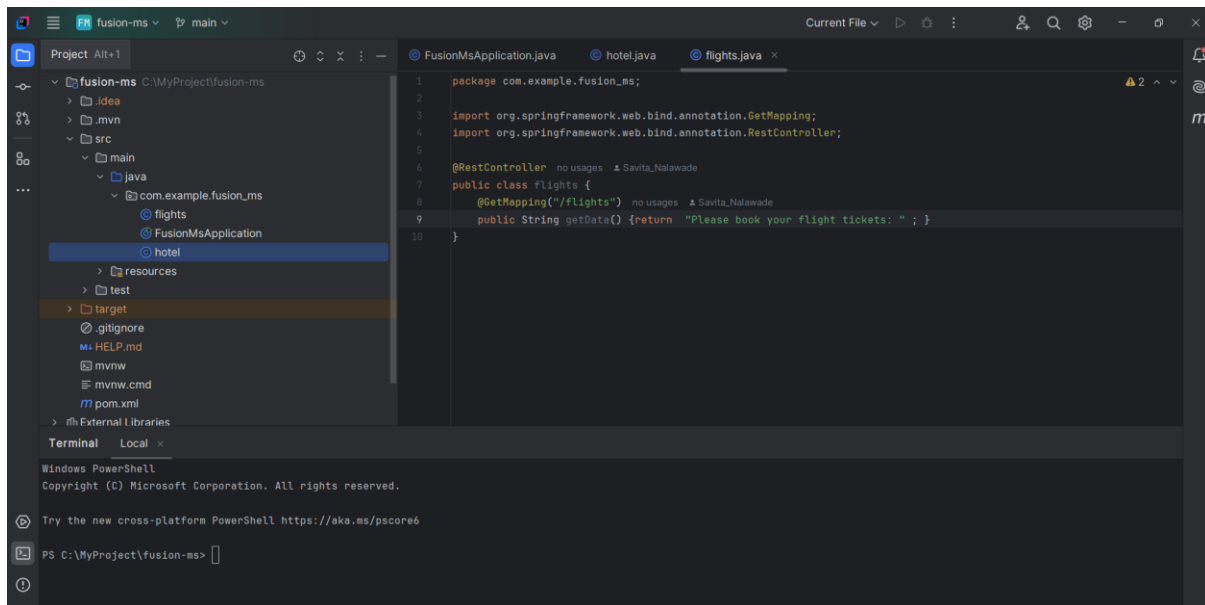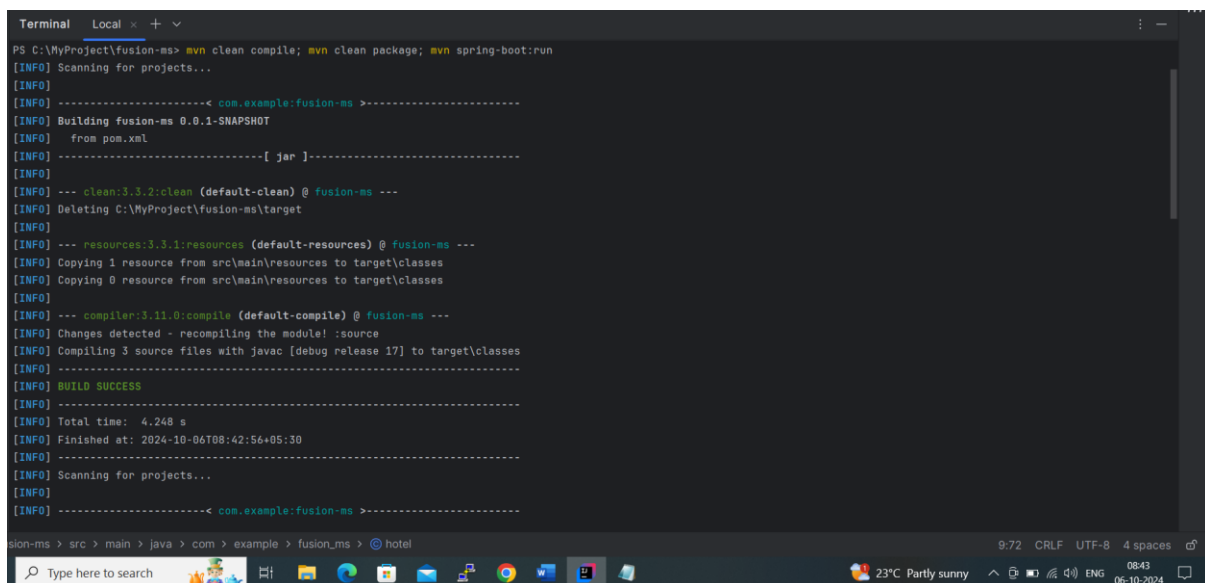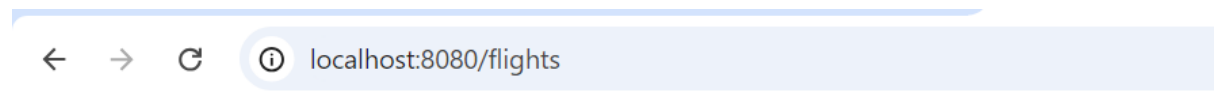# 1)created spring initializer and import project in intellji

2) hit "mvn clean compile; mvn clean package; mvn spring-boot:run"

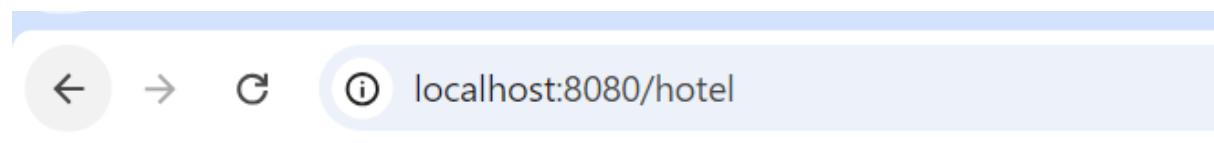# 3)check flight class Is working fine or not

← → C ⓘ localhost:8080/flights

Please book your flight tickets:

Check hotel class

← → C ⓘ localhost:8080/hotel

Please book your hotels in Pune

4)connect intellij to github via repository link and push data

"

git pull origin main

dir

git add --all

git commit -m "code refactor"

git push origin main -f

"

We can see all main files are showing in repository

5) now create prod branch from main branch

{from main -> prod,preprod,qa,dev} branches are created

show all created branch

6) using below commands we can move to one branch to another branch


```
PS C:\MyProject\fusion-ms> git fetch origin qa
 * branch            qa           -> FETCH_HEAD
 * [new branch]      qa           -> origin/qa
PS C:\MyProject\fusion-ms> git checkout qa
Switched to a new branch 'qa'
PS C:\MyProject\fusion-ms> git branch
  master
* qa
PS C:\MyProject\fusion-ms> git fetch origin prod
From https://github.com/Savita-Nalawade/fusion-ms
 * [new branch]      prod         -> origin/prod
PS C:\MyProject\fusion-ms> git checkout prod
branch 'prod' set up to track 'origin/prod'.
PS C:\MyProject\fusion-ms> git branch
  main
* prod
  qa
PS C:\MyProject\fusion-ms> git fetch origin preprod
From https://github.com/Savita-Nalawade/fusion-ms
 * branch            preprod      -> FETCH_HEAD
 * [new branch]      preprod      -> origin/preprod
PS C:\MyProject\fusion-ms> git checkout preprod
branch 'preprod' set up to track 'origin/preprod'.
Switched to a new branch 'preprod'
PS C:\MyProject\fusion-ms> git branch
  main
  master
* preprod
  prod
  qa
```

7) now we are in "dev" branch

```
PS C:\MyProject\fusion-ms> git fetch origin dev
From https://github.com/Savita-Nalawade/fusion-ms
 * branch              dev         -> FETCH_HEAD
 * [new branch]        dev         -> origin/dev
PS C:\MyProject\fusion-ms> git checkout dev
branch 'dev' set up to track 'origin/dev'.
Switched to a new branch 'dev'
PS C:\MyProject\fusion-ms> git branch
* dev
  main
  master
  preprod
  prod
  qa
PS C:\MyProject\fusion-ms>
```
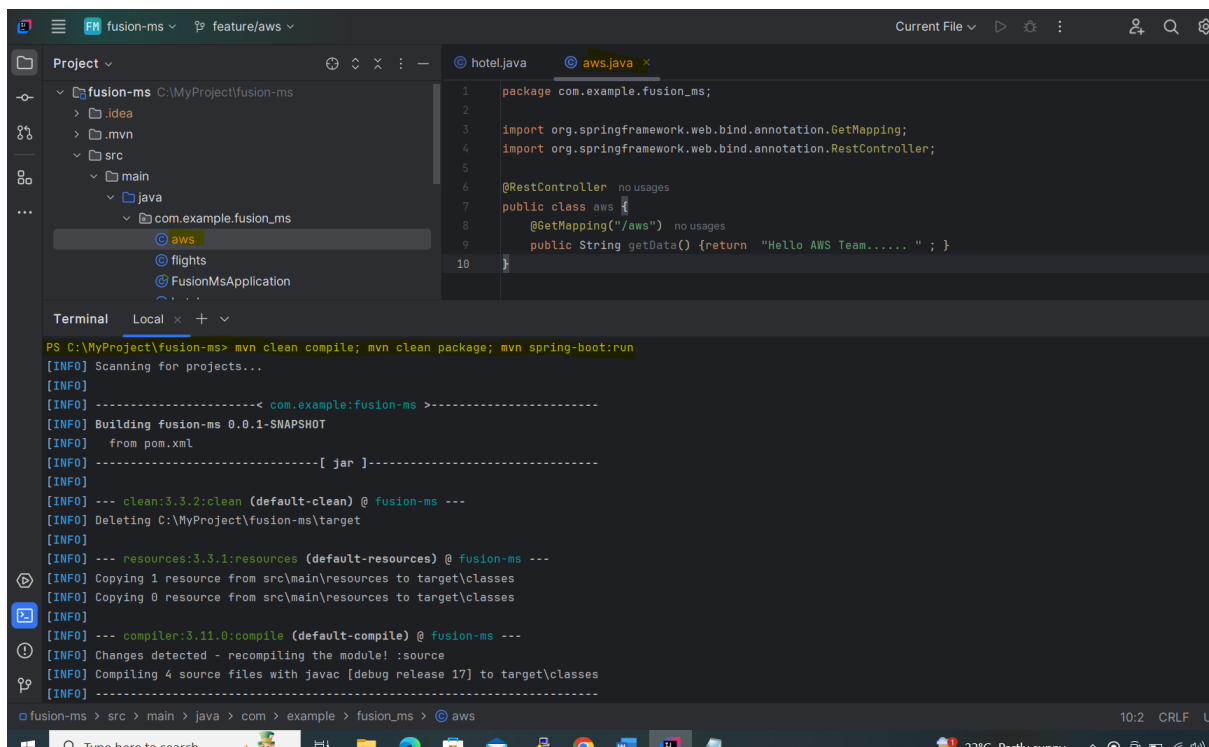
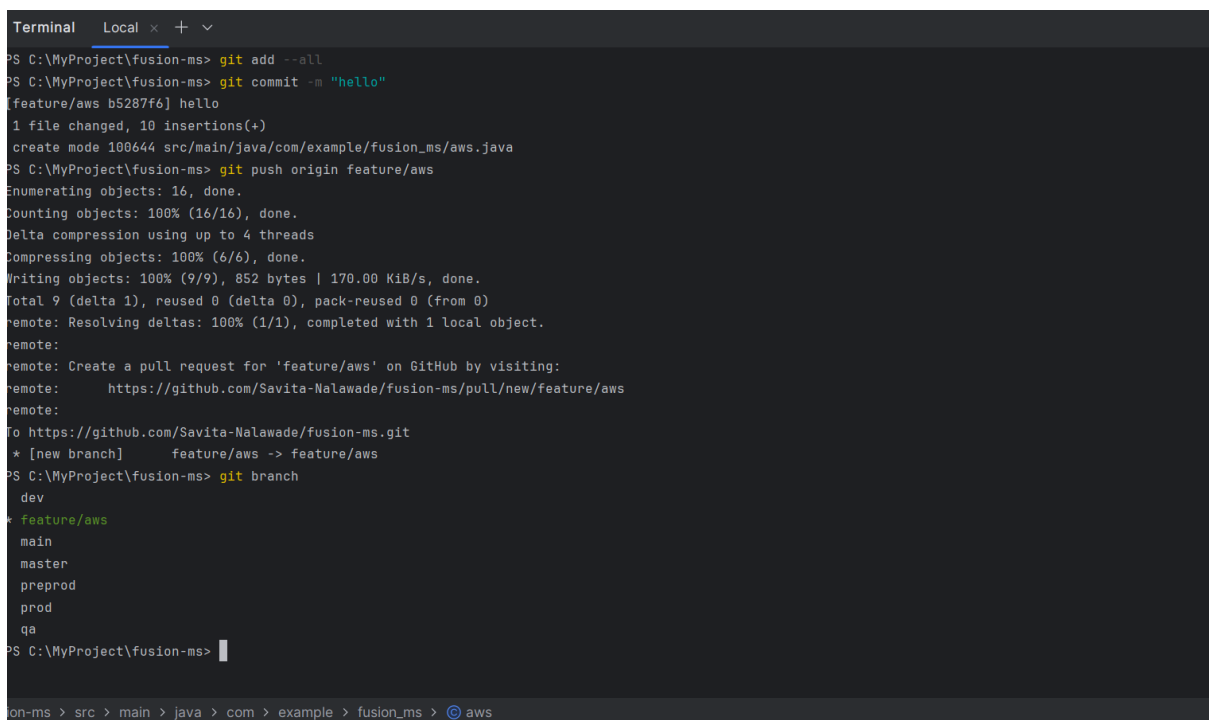8) create one new branch from dev branch (feather/aws)

```
Terminal   Local  ×  + ∨                                                                                          :  —      ⍉
PS C:\MyProject\fusion-ms> git pull origin dev                                                                           m
From https://github.com/Savita-Nalawade/fusion-ms
 * branch           dev          -> FETCH_HEAD
Already up to date.
PS C:\MyProject\fusion-ms> git checkout -b feature/aws
Switched to a new branch 'feature/aws'
PS C:\MyProject\fusion-ms> mvn clean compile; mvn clean package; mvn spring-boot:run
[INFO] Scanning for projects...
[INFO]
[INFO] --------------------< com.example:fusion-ms >-----------------------
[INFO] Building fusion-ms 0.0.1-SNAPSHOT
[INFO]   from pom.xml
[INFO] --------------------------------[ jar ]---------------------------------
[INFO]
[INFO] --- clean:3.3.2:clean (default-clean) @ fusion-ms ---
[INFO] Deleting C:\MyProject\fusion-ms\target
[INFO]
[INFO] --- resources:3.3.1:resources (default-resources) @ fusion-ms ---
[INFO] Copying 1 resource from src\main\resources to target\classes
[INFO] Copying 0 resource from src\main\resources to target\classes
[INFO]
[INFO] --- compiler:3.11.0:compile (default-compile) @ fusion-ms ---
[INFO] Changes detected - recompiling the module! :source
[INFO] Compiling 3 source files with javac [debug release 17] to target\classes
[INFO] ------------------------------------------------------------------------
[INFO] BUILD SUCCESS
[INFO] ------------------------------------------------------------------------
[INFO] Total time:  4.903 s
[INFO] Finished at: 2024-10-06T08:54:17+05:30
[INFO] ------------------------------------------------------------------------

usion-ms > src > main > java > com > example > fusion_ms > © hotel                          9:72   CRLF   UTF-8   4 spaces   ⌖

🔍 Type here to search        👥  🖼  ⊞  🔴  💻  🎯  📧  🌐  🌐  📄  📘  🛶      ☁ 23°C  Partly sunny  ∧ ⊕ 🔲 ⚡ 🔊  ENG  08:55   💬
                                                                                                                06-10-2024
```
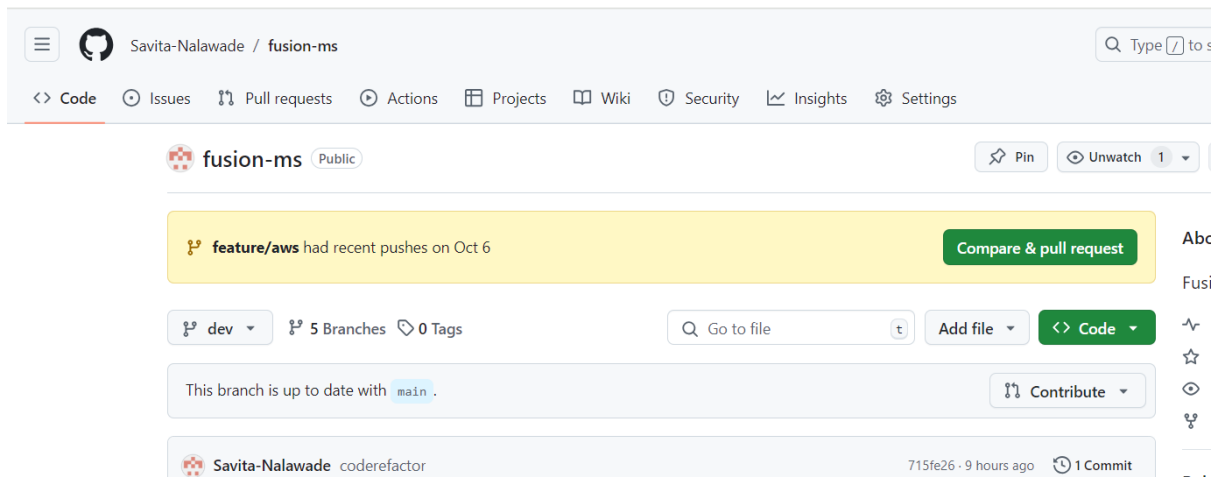
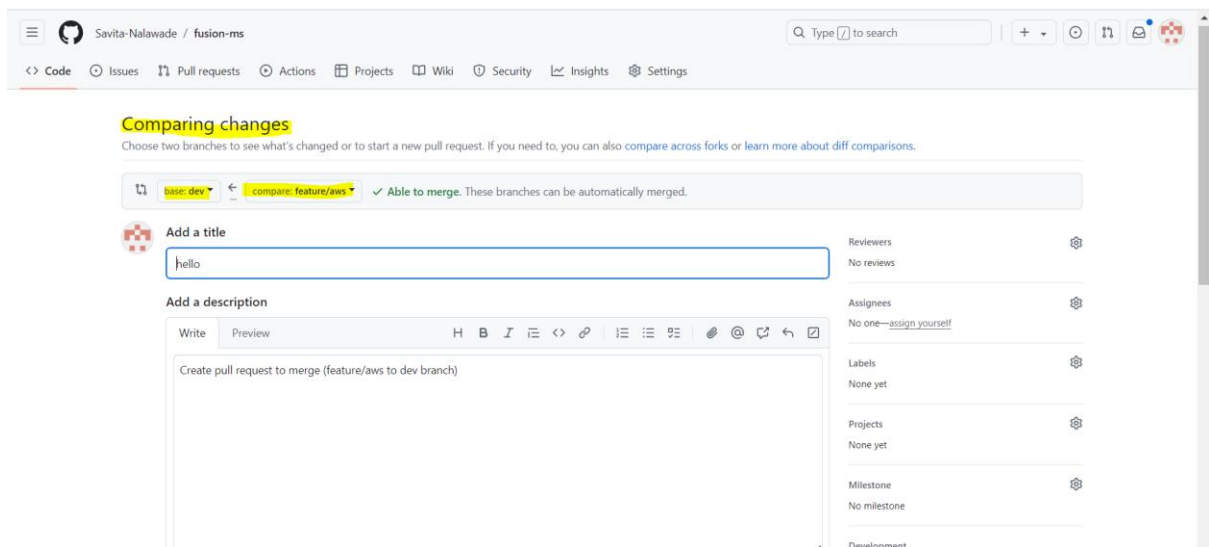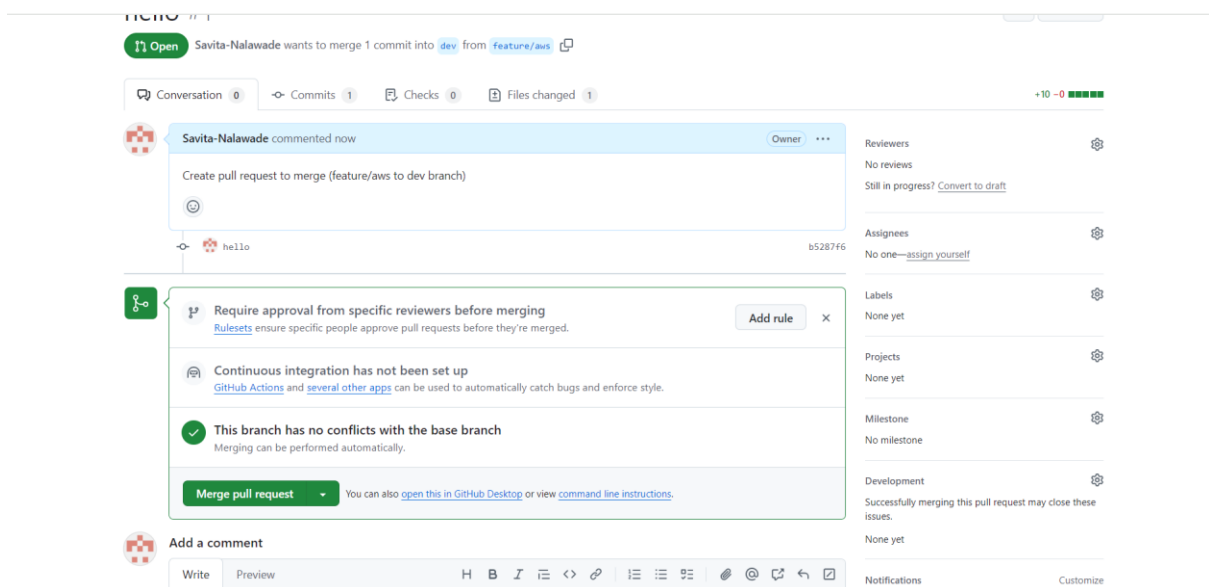9) create new class with same name of branch(aws) and write get method

10) push "visa" branch code to git
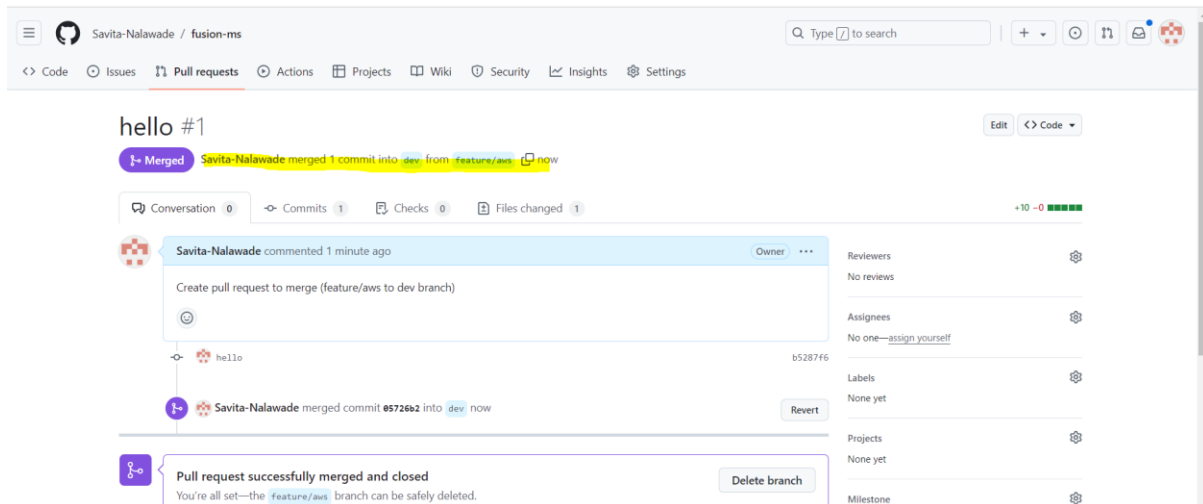

11) now we can get pop-up "compare & pull request"

12) Create pull request to merge (feature/aws branch to dev branch)
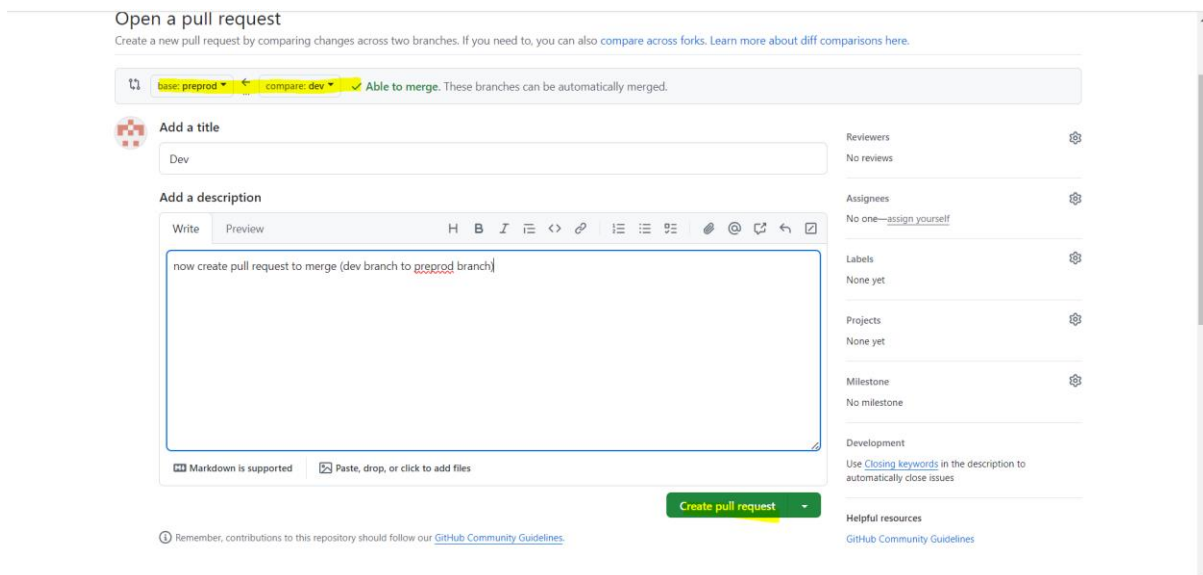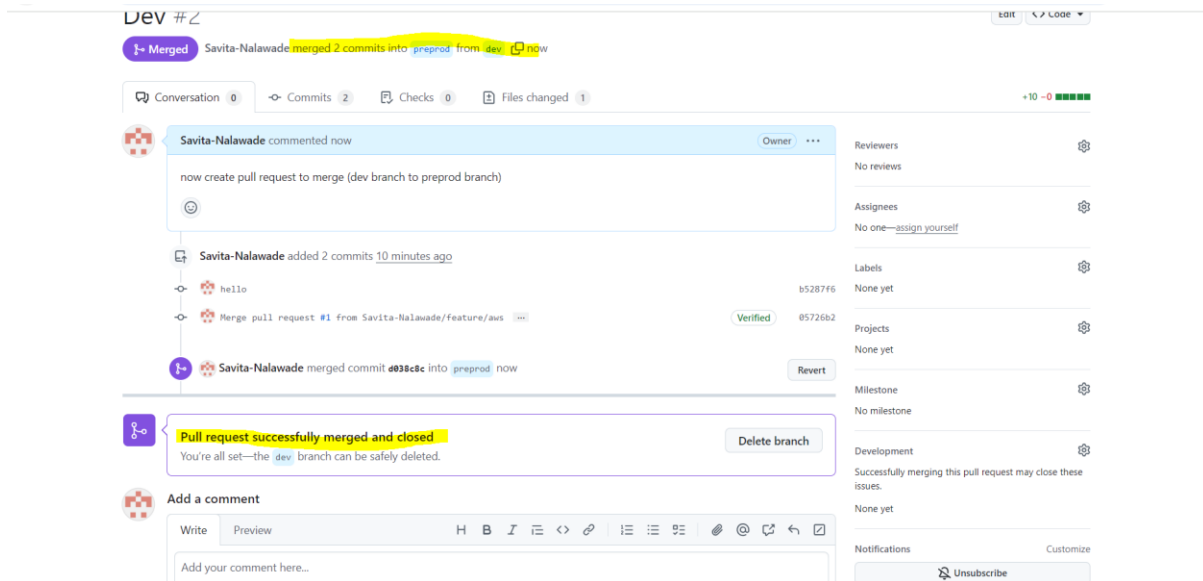

13)Merge pull request

14)Successfully merged {feature/aws -> dev branch}
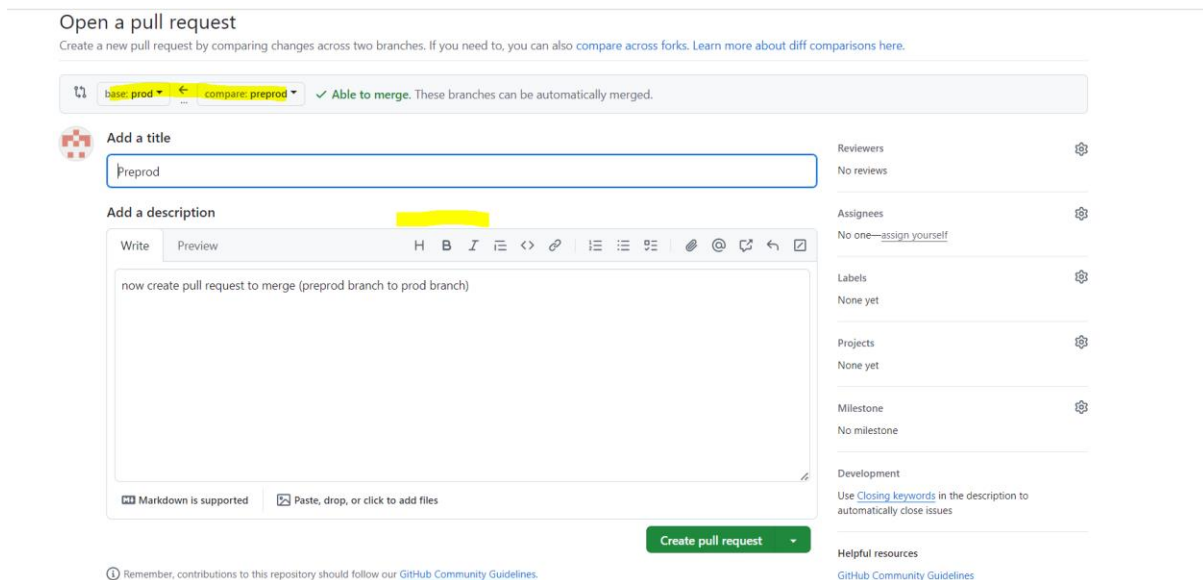
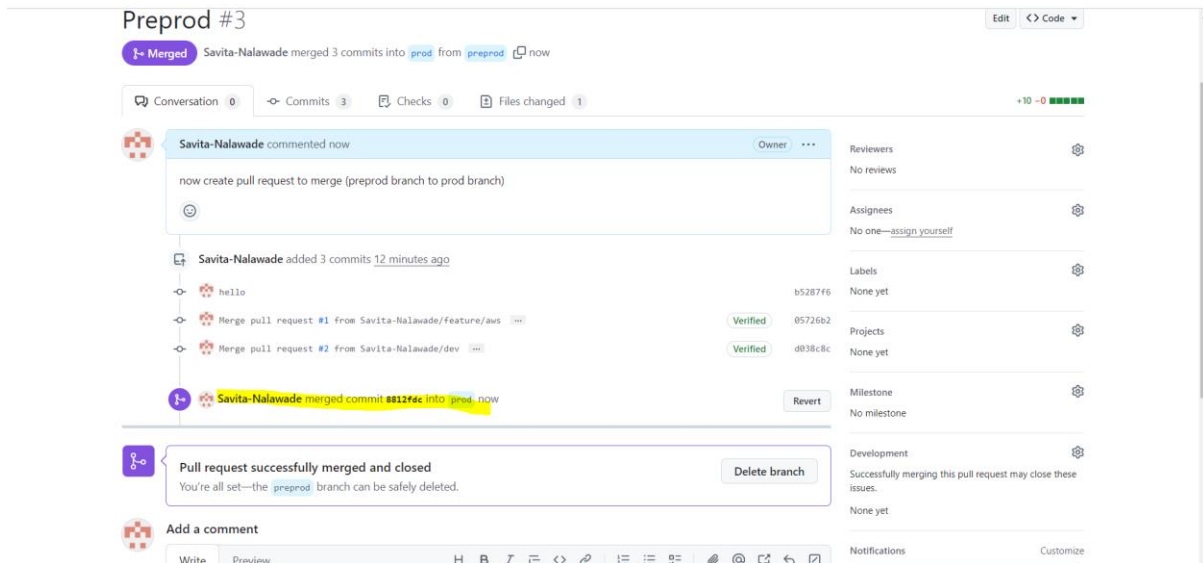15)Now code is in dev branch so it will automatically create **compare & pull request from dev**
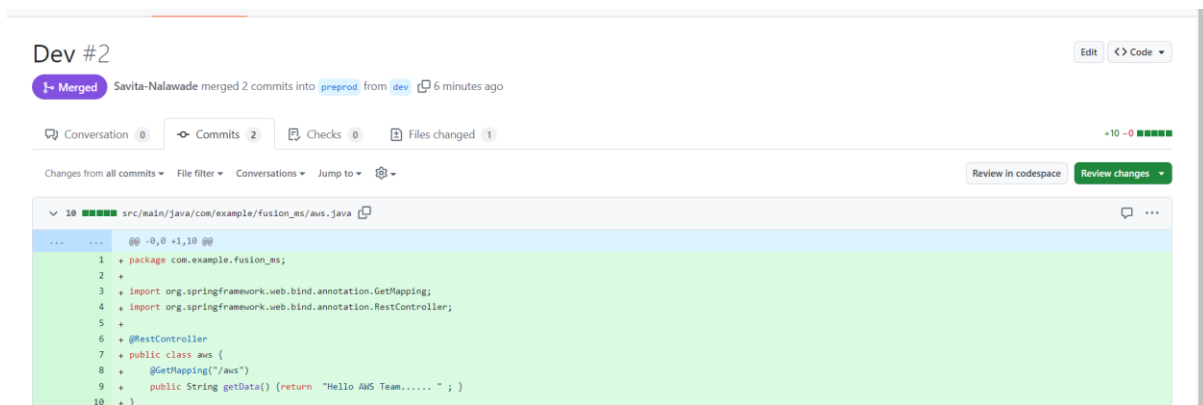

16)so I moved code to preprod branch from dev
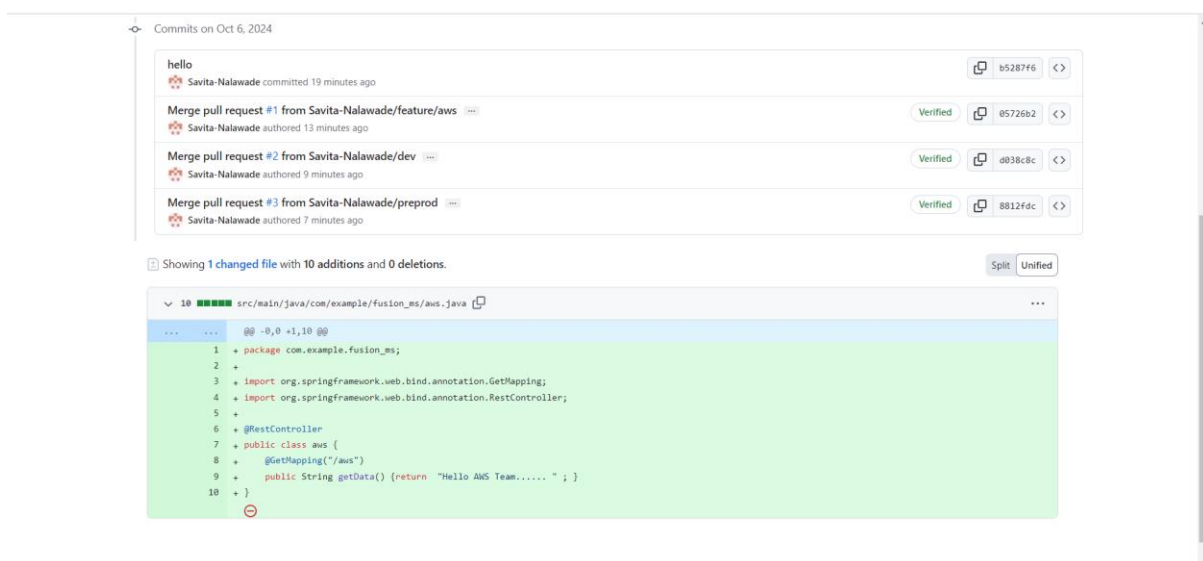
17)again it will generate pull request

18)Moved code to prod from preprod branch

19)From dev branch also we can see our source code

20)Here is the all pull request which I have createds

21)Same code we can see in "prod" branch as well, As I performed pull request from preprod to prod

22)All active branches with configuration

Thank you!!!!!!!