

DevOps Assignment :1

Name : Rajesh Singh
PRN : 240840128028

Git branch command.

```
base ~/Desktop/contoso-lms git:(master) (0.051s)
git branch
  course-team
  exam-team
* master
  test
  website-team
```

Git log for each branch.

```
base ~/Desktop/contoso-lms git:(exam-team) (0.046s)
git checkout -b website-team
Switched to a new branch 'website-team'

base ~/Desktop/contoso-lms git:(website-team) (0.041s)
echo "Student registration module" > registration.txt

base ~/Desktop/contoso-lms git:(website-team)±1 (0.046s)
git add registration.txt

base ~/Desktop/contoso-lms git:(website-team)±1 (0.056s)
git commit -m "Added student registration feature"
[website-team (root-commit) 2462e02] Added student registration feature
1 file changed, 1 insertion(+)
create mode 100644 registration.txt

base ~/Desktop/contoso-lms git:(website-team) (0.051s)
git log --oneline
2462e02 (HEAD -> website-team) Added student registration feature
```

```
base ~/Desktop/contoso-lms git:(website-team) (0.047s)
git checkout -b course-team
Switched to a new branch 'course-team'

base ~/Desktop/contoso-lms git:(course-team) (0.042s)
echo "Course content management" > course.txt

base ~/Desktop/contoso-lms git:(course-team)±1 (0.046s)
git add course.txt

base ~/Desktop/contoso-lms git:(course-team)±1 (0.056s)
git commit -m "Added course management feature"
[course-team d402022] Added course management feature
1 file changed, 1 insertion(+)
create mode 100644 course.txt

base ~/Desktop/contoso-lms git:(course-team) (0.17s)
git log --oneline
d402022 (HEAD -> course-team) Added course management feature
2462e02 (website-team) Added student registration feature
```

```
base ~/Desktop/contoso-lms git:(course-team) (0.046s)
git checkout -b exam-team
Switched to a new branch 'exam-team'

base ~/Desktop/contoso-lms git:(exam-team) (0.041s)
echo "Online examination system" > exam.txt

base ~/Desktop/contoso-lms git:(exam-team)±1 (0.046s)
git add exam.txt

base ~/Desktop/contoso-lms git:(exam-team)±1 (0.055s)
git commit -m "Added examination feature"
[exam-team de44dd0] Added examination feature
1 file changed, 1 insertion(+)
create mode 100644 exam.txt

base ~/Desktop/contoso-lms git:(exam-team) (0.052s)
git log --oneline
de44dd0 (HEAD -> exam-team, test, master) Added examination feature
d402022 (course-team) Added course management feature
2462e02 (website-team) Added student registration feature
```

Git Merge commands

```

base ~/Desktop/contoso-lms git:(exam-team) (0.047s)
git checkout -b test
Switched to a new branch 'test'

base ~/Desktop/contoso-lms git:(test) (0.047s)
git merge website-team -m "Merging website features"
Already up to date.

base ~/Desktop/contoso-lms git:(test) (0.046s)
git merge course-team -m "Merging course features"
Already up to date.

base ~/Desktop/contoso-lms git:(test) (0.047s)
git merge exam-team -m "Merging exam features"
Already up to date.

base ~/Desktop/contoso-lms git:(test) (0.047s)
git checkout -b master
Switched to a new branch 'master'

base ~/Desktop/contoso-lms git:(master) (0.047s)
git merge test -m "Release version 1.0"
Already up to date.

```

Test branch commits after merge

```

base ~/Desktop/contoso-lms git:(exam-team) (0.048s)
git checkout test
Switched to branch 'test'

base ~/Desktop/contoso-lms git:(test) (0.051s)
git log
commit de44dd02b39899bdc1156f47f062d64791567be0 (HEAD -> test, master, exam-team)
Author: Rajesh Singh <rajeshnksingh@gmail.com>
Date: Mon Dec 23 17:40:23 2024 +0100

    Added examination feature

commit d40202202977378a1b5dee8cc4c579137b45d807 (course-team)
Author: Rajesh Singh <rajeshnksingh@gmail.com>
Date: Mon Dec 23 17:37:44 2024 +0100

    Added course management feature

commit 2462e025b073e62f0c6973807f79641a3c50fa55 (website-team)
Author: Rajesh Singh <rajeshnksingh@gmail.com>
Date: Mon Dec 23 17:36:59 2024 +0100

    Added student registration feature

```

Master branch commits after merge.

```
base ~/Desktop/contoso-lms git:(test) (0.047s)
```

```
git checkout master
```

```
Switched to branch 'master'
```

```
base ~/Desktop/contoso-lms git:(master) (0.051s)
```

```
git log
```

```
commit de44dd02b39899bdc1156f47f062d64791567be0 (HEAD -> master, test, exam-team)
```

```
Author: Rajesh Singh <rajeshnksingh@gmail.com>
```

```
Date: Mon Dec 23 17:40:23 2024 +0100
```

```
    Added examination feature
```

```
commit d40202202977378a1b5dee8cc4c579137b45d807 (course-team)
```

```
Author: Rajesh Singh <rajeshnksingh@gmail.com>
```

```
Date: Mon Dec 23 17:37:44 2024 +0100
```

```
    Added course management feature
```

```
commit 2462e025b073e62f0c6973807f79641a3c50fa55 (website-team)
```

```
Author: Rajesh Singh <rajeshnksingh@gmail.com>
```

```
Date: Mon Dec 23 17:36:59 2024 +0100
```

```
    Added student registration feature
```