

# Recap from Session 1

## 1. ■ Initialize and Configure Git

```
git --version
git config --global user.name "Your Name"
git config --global user.email "youremail@example.com"
```

```
git --version git config --global user.name "Your
Name" git config --global user.email
"youremail@example.com"
```

## 2. ■ Create a Project and Initialize Git

```
mkdir my-project
cd my-project
git init
```

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cd my-project
git init
```

## 3. ■ Add and Commit Files

(Créer ou modifier le fichier manuellement avec un éditeur ou utiliser echo dans linux)

```
git add file.txt
git commit -m "First version"

git add file.txt
git commit -m "Second version"

git add file.txt
git commit -m "Third version"
```

```
echo "Version 1" > file.txt
git add file.txt git commit -m
"First version" echo "Version
2" > file.txt git add file.txt
git commit -m "Second version"
echo "Version 3" > file.txt
git add file.txt git commit -m
"Third version"
```

#### 4. ■ Check History

```
git log
git log --oneline
```

```
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git log --oneline
```

#### 5. ■■ Compare Versions

```
git diff
git diff HEAD~1 HEAD
```

```
git diff git diff
HEAD~1 HEAD
```

#### 6. ■ Branching and Merging

```
git branch                # Show branches
git branch new-feature    # Create a new branch
git checkout new-feature  # Switch to new branch
# (make changes, add and commit)
git checkout main         # Return to main
git merge new-feature     # Merge branch into main
```

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git branch # Show branches
git branch new-feature # Create a new branch
git checkout new-feature # Switch to new branch
```

```
# (make changes, add and commit)

git checkout main # Return to main

git merge new-feature # Merge branch into main
```