

## TASK 1 BASIC GIT COMMANDS

### 1. Basic Git Commands

```
git --version      # Check Git installation
git config --global user.name "Your Name"
git config --global user.email "yourmail@gmail.com"
```

```
git init           # Initialize repo
git status         # Check status
git add .          # Stage all files
git commit -m "First commit"
git log           # View commit history
git branch         # List branches
git checkout -b test # Create + switch branch
git checkout main  # Switch back
```

### 2. Upload a Single Document to GitHub Using Bash

#### Step 1: Create Repository on GitHub

- Go to **github.com** → **New Repository**
- Repo name: **git-practice**
- **Do NOT add README**
- Copy the repo URL

#### Step 2: Upload File via Bash

```
cd Desktop
mkdir git-practice
cd git-practice
```

```
git init
echo "Hello GitHub" > demo.txt
```

```
git add demo.txt
git commit -m "Added demo.txt"
```

```
git branch -M main
git remote add origin https://github.com/USERNAME/git-practice.git
git push -u origin main
```

### 3. Upload and Update a Folder in GitHub

#### Upload Folder

```
mkdir notes
echo "Git Notes" > notes/git.txt
```

```
git add notes
```

```
git commit -m "Added notes folder"
git push
```

### **Update Folder**

```
echo "Updated content" >> notes/git.txt
```

```
git add notes
git commit -m "Updated notes folder"
git push
```

## **4. Create Branch and Push/Commit One Folder in Eclipse**

### **Steps in Eclipse**

1. Open **Eclipse**
2. File → Import → Git → Projects from Git
3. Clone your repository
4. Right-click project → **Team** → **Switch To** → **New Branch**
  - Branch name: eclipse-branch

### **Add Folder**

```
eclipse-folder/
└── test.txt
```

### **Commit & Push**

1. Right-click project → **Team** → **Commit**
2. Enter message: Added folder from Eclipse
3. Select **Push to origin**