

## 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**