

■ Git + GitHub Quick Command Sheet

1■■ First-Time Setup (Only Once)

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

2■■ Connect Git Bash to GitHub via SSH

```
ssh-keygen -t ed25519 -C "yourgithubemail@example.com"
eval "$(ssh-agent -s)"
ssh-add ~/.ssh/id_ed25519
cat ~/.ssh/id_ed25519.pub # Copy this to GitHub Settings → SSH Keys
ssh -T git@github.com # Test connection
```

3■■ Create a New Repo & Push to GitHub

```
cd /path/to/project
git init
git add .
git commit -m "First commit"
git branch -M main
git remote add origin git@github.com:username/repo.git
git push -u origin main
```

4■■ Clone an Existing Repo

```
git clone git@github.com:username/repo.git
```

5■■ Everyday Workflow

```
git status # Check changes
git add file.txt # Stage specific file
git add . # Stage all changes
git commit -m "Meaningful message"
git push # Upload changes
git pull # Get latest changes from GitHub
```

6■■ Branching

```
git branch new-feature # Create new branch
git checkout new-feature # Switch to it
git checkout -b new-feature # Create + switch in one go
git push -u origin new-feature # Push branch to GitHub
```

7■■ Undo / Fix Mistakes

```
git restore file.txt # Undo changes in file (before commit)
git reset --soft HEAD~1 # Undo last commit but keep changes
git reset --hard HEAD~1 # Undo last commit & discard changes
```

8■■ Stash (Save Work Without Commit)

```
git stash # Save uncommitted changes
git stash list # View stashes
git stash apply # Apply latest stash
```

9■■ Change Remote Repo URL

```
git remote set-url origin git@github.com:newuser/newrepo.git
```

■ Check Config

```
git config --list
```

