

# GIT & GITHUB CHEAT SHEET



git



GitHub

## 01. BASIC GIT SETUP

```
git config --global user.name  
"Your Name"
```

```
git config --global user.email  
"your@email.com"
```

## 02. CREATE & INITIALIZE REPOSITORY

```
# Initialize local repo  
git init  
# Clone remote repo  
git clone <url>  
# Check status of files  
git status
```

## 03. STAGING & COMMITTING

```
# Add file to staging  
git add <file>  
# Add all files  
git add .  
# Commit changes  
git commit -m "message"
```

## 04. PUSH & PULL

```
# Link to remote  
git remote add origin <url>  
# Push to GitHub  
git push origin main  
# Pull latest changes  
git pull
```

## 05. BRANCHING & MERGING

```
# Create branch  
git branch <name>  
# Switch branch  
git switch <name>  
# Merge into current branch  
git merge <name>  
# Delete branch (local)  
git branch -d <name>  
# Delete on remote  
git push origin --delete <name>
```

## 06. UNDO CHANGES

```
# Discard changes  
git restore <file>  
# Safe undo  
git revert <commit>  
# Risky undo (beware)  
git reset <commit>
```

## 07. STASH (TEMPORARY SAVE)

```
# Save changes  
git stash  
# Re-apply changes  
git stash pop
```

## 08. COLLABORATION VIA GITHUB

Fork → Clone → Branch →  
Commit → Push → Pull Request

## 09. PULL REQUESTS (PR)

- Create PR from branch to main
- Add reviewers & comments
- Link issues using: fixes #3

## 10. .GITIGNORE EXAMPLES

```
node_modules/  
.env  
*.log  
__pycache__/
```

## 11 COMMIT MESSAGE FORMAT

```
feat: add login page  
fix: navbar alignment bug  
docs: update README  
style: format code
```

@jenwithai