🧾 Git Commands Cheat Sheet (Beginner Level)

🔧 Initial Setup (One-time)

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

📁 Start a Project with Git

```
git init             # Initialize Git in current folder
git status               # Check current file changes
```

📄 Track & Save Changes

```
git add filename          # Stage a specific file
git add .            # Stage all files
git commit -m "Your message"  # Commit with message
```

🔍 View History & Changes

```
git log              # Show commit history
git diff             # Show unstaged changes
```

♻️ Undo Mistakes

```
git restore filename      # Discard changes in a file
git reset            # Unstage staged files
```

☁️ Connect to GitHub & Push

```
git remote add origin <repo-url>  # Link to GitHub repo
git branch -M main               # Rename branch to main (if needed)
git push -u origin main          # Push first time
git push                         # Push changes later
```

📥 Clone & Pull

```
git clone <repo-url>             # Copy project from GitHub
git pull                         # Get latest changes from GitHub
```

🌱 Branching

```
git branch                       # List branches
git checkout -b new-feature      # Create & switch to new branch
git checkout main                # Switch to main branch
git merge new-feature            # Merge branch into current one
```