



# Git Commands Cheat Sheet

## 1. Check the status of your repo

```
git status
```

### Purpose:

Shows the current branch, staged/unstaged changes, and untracked files.

### Example output:

```
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
Changes not staged for commit:
  modified: test.py
```

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## 2. View your remotes

```
git remote -v
```

### Purpose:

Lists all remotes configured for fetch and push.

### Example output:

```
origin  https://github.com/user/repo.git (fetch)
origin  https://github.com/user/repo.git (push)
```

---

## 3. Pull changes from your repo

```
git pull origin main --no-edit
```

### Purpose:

Updates your local branch with changes from the `student repo's main` branch.

- `--no-edit` keeps the default merge message.

### Example output:

```
Updating 123abcd..456efgh
Fast-forward
 test.py | 1 +
 1 file changed, 1 insertion(+)
```

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## 4. Pull changes from upstream repo

```
git pull upstream main --no-edit
```

### **Purpose:**

Updates your local branch with changes from the upstream (teacher) repo.

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## 5. Stage all changes

```
git add .
```

### **Purpose:**

Stages **all modified and new files** in the current directory for the next commit.

**Output:** *(none if successful)*

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## 6. Stage a specific file

```
git add <filename>
```

### **Purpose:**

Stages only the specified file for commit.

### **Example:**

```
git add test.py
```

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## 7. View your Git global settings

```
git config --global --list
```

### **Purpose:**

Shows configuration settings like username, email, and pull strategy.

### **Example output:**

```
user.name=Bob Slotpole  
user.email=rslotpole@babson.edu
```

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## 8. Add a teacher remote

```
git remote add upstream https://github.com/babson-org/classroom-week00-  
python_class.git
```

### **Purpose:**

Adds a new remote called upstream for pulling updates from the teacher's template repo.

**Note:** Only needs to be done **once per codespace**.