

Step-by-Step Guide: Setting Up Cursor and Git

This guide provides a detailed, easy-to-follow process for faculty members to set up Cursor accounts, configure Git, and prepare their machines for coding. Screenshots are included for clarity.

Step 1: Install Cursor

1. Download Cursor

- Go to <https://cursor.com>.
- Click **Download** for your operating system (Windows, macOS, or Linux).

2. Install the Application

- **Windows:** Run the .exe installer and follow the prompts.
 - **macOS:** Drag the Cursor app into your **Applications** folder.
 - **Linux:** Follow the instructions provided on the site (usually involves .AppImage or package manager).
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Step 2: Create a Cursor Account

1. **Open Cursor** after installation.
 2. Click **Sign Up**.
 3. You can sign up using:
 - **Email and Password**, or
 - **GitHub Account** (recommended for developers).
 4. Verify your email if prompted.
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Step 3: Configure Cursor for Coding

1. Choose Your Language Support

- Cursor supports multiple languages (Python, JavaScript, etc.).
- Install language-specific extensions if needed (similar to VS Code).

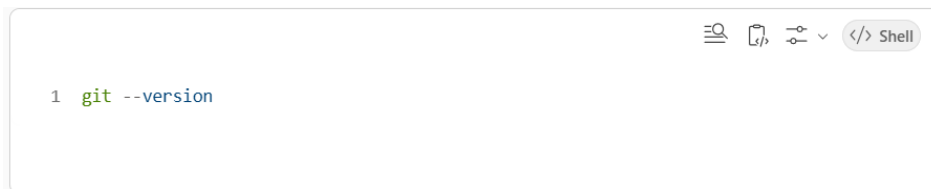
2. Enable AI Features

- Cursor uses AI for code suggestions.
 - Make sure you are logged in and have access to AI features (free tier or paid plan).
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Step 4: Install Git

1. Check if Git is Installed

- Open **Terminal** or **Command Prompt**.
- Run:



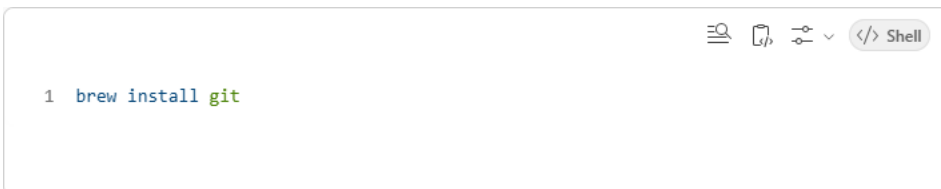
```
1 git --version
```

A terminal window with a light gray background. The title bar on the right contains icons for search, copy, paste, and a dropdown menu, followed by a 'Shell' button. The command prompt shows '1 git --version'.

- If you see a version number, Git is installed.

2. Install Git (if not installed)

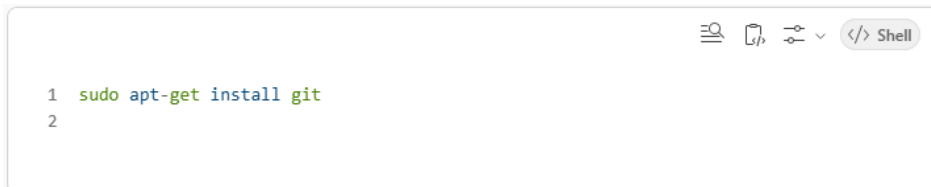
- **Windows:** Download from <https://git-scm.com/download/win>.
- **macOS:** Use Homebrew:



```
1 brew install git
```

A terminal window with a light gray background. The title bar on the right contains icons for search, copy, paste, and a dropdown menu, followed by a 'Shell' button. The command prompt shows '1 brew install git'.

- **Linux:**




```
1 sudo apt-get install git
2
```

A terminal window with a light gray background. The title bar on the right contains icons for search, copy, paste, and a dropdown menu, followed by a 'Shell' button. The command prompt shows '1 sudo apt-get install git' and '2' on the next line.

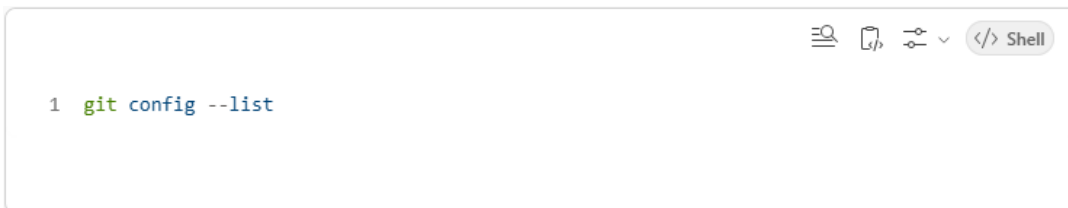
Step 5: Configure Git

1. Set Your Username and Email

A terminal window with a light blue background. The title bar on the right contains icons for search, file, diff, and a dropdown menu, followed by a button labeled 'Shell'. The terminal text shows two lines of code: '1 git config --global user.name "Your Name"' and '2 git config --global user.email "your.email@example.com"'.

```
1 git config --global user.name "Your Name"
2 git config --global user.email "your.email@example.com"
```

2. Check Configuration

A terminal window with a light blue background. The title bar on the right contains icons for search, file, diff, and a dropdown menu, followed by a button labeled 'Shell'. The terminal text shows one line of code: '1 git config --list'.

```
1 git config --list
```

Step 6: Connect Cursor with Git

1. Open Cursor Settings

- Go to **Settings** → **Git Integration**.

2. Sign in with GitHub

- Click **Connect GitHub Account**.
- Authorize Cursor to access your repositories.

3. Clone a Repository

- In Cursor, open the **Command Palette** (Ctrl+Shift+P or Cmd+Shift+P).
- Search for **Git: Clone**.
- Paste your repository URL.

Step 7: Test Everything

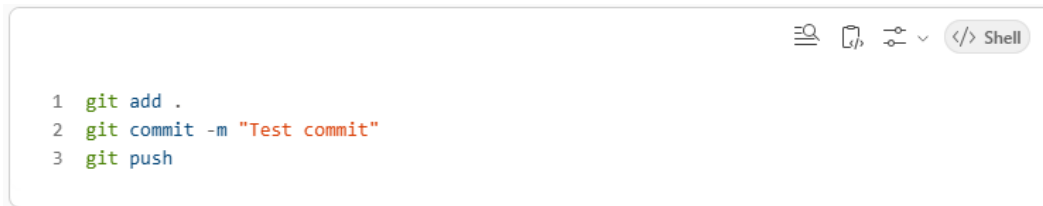
1. Open a Project

- Navigate to the cloned repo in Cursor.

2. Make a Change

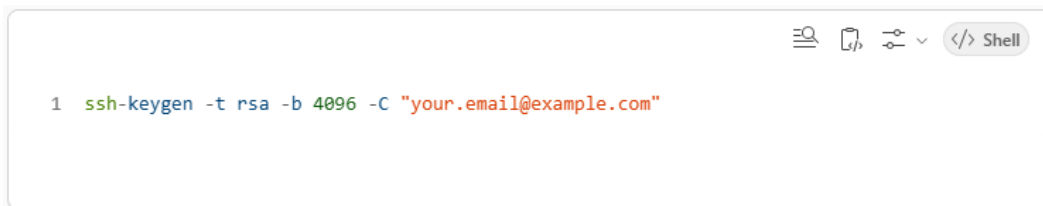
- Edit a file and save.

3. Commit and Push

A terminal window with a light blue border. The top right corner contains icons for search, copy, settings, and a 'Shell' button. The terminal text shows three lines of code: '1 git add .', '2 git commit -m "Test commit"', and '3 git push'.

Step 8: Optional Enhancements

- **Install Node.js or Python** (depending on your language).
- **Set up SSH keys** for GitHub:

A terminal window with a light blue border. The top right corner contains icons for search, copy, settings, and a 'Shell' button. The terminal text shows a single line of code: '1 ssh-keygen -t rsa -b 4096 -C "your.email@example.com"'.

- Add the SSH key to GitHub under **Settings → SSH and GPG keys**.

Quick Checklist for Faculty

- Cursor installed and account created.
- Git installed and configured.
- GitHub connected to Cursor.
- Repository cloned and tested.
- AI coding features enabled.