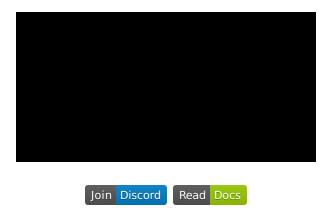**aider**

Aider is AI pair programming in your terminal

Aider lets you pair program with LLMs, to edit code in your local git repository. Start a new project or work with an existing git repo. Aider works best with GPT-4o & Claude 3.5 Sonnet and can [connect to almost any LLM](#).

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Getting started

You can get started quickly like this:

```
python -m pip install aider-chat

# Change directory into a git repo
cd /to/your/git/repo

# Work with Claude 3.5 Sonnet on your repo
export ANTHROPIC_API_KEY=your-key-goes-here
aider

# Work with GPT-4o on your repo
export OPENAI_API_KEY=your-key-goes-here
aider
```

See the [installation instructions](#) and other [documentation](#) for more details.

Features

- Run aider with the files you want to edit: `aider <file1> <file2> ...`
- Ask for changes:
  - Add new features or test cases.
  - Describe a bug.
  - Paste in an error message or or GitHub issue URL.

- Refactor code.
- Update docs.

- Aider will edit your files to complete your request.
- Aider [automatically git commits](#) changes with a sensible commit message.
- Aider works with [most popular languages](#): python, javascript, typescript, php, html, css, and more…
- Aider works best with GPT-4o & Claude 3.5 Sonnet and can [connect to almost any LLM](#).
- Aider can edit multiple files at once for complex requests.
- Aider uses a [map of your entire git repo](#), which helps it work well in larger codebases.
- Edit files in your editor while chatting with aider, and it will always use the latest version. Pair program with AI.
- [Add images to the chat](#) (GPT-4o, Claude 3.5 Sonnet, etc).
- [Add URLs to the chat](#) and aider will read their content.
- [Code with your voice](#).

Top tier performance

[Aider has one of the top scores on SWE Bench](#). SWE Bench is a challenging software engineering benchmark where aider solved *real* GitHub issues from popular open source projects like django, scikitlearn, matplotlib, etc.

More info

- [Documentation](#)
- [Installation](#)
- [Usage](#)
- [Tutorial videos](#)
- [Connecting to LLMs](#)
- [Configuration](#)
- [Troubleshooting](#)
- [LLM Leaderboards](#)
- [GitHub](#)
- [Discord](#)
- [Blog](#)

Kind words from users

- *The best free open source AI coding assistant.* – [IndyDevDan](#)

aider

- *The best AI coding assistant so far.* – Matthew Berman
- *Aider ... has easily quadrupled my coding productivity.* – SOLAR_FIELDS
- *It's a cool workflow... Aider's ergonomics are perfect for me.* – qup
- *It's really like having your senior developer live right in your Git repo - truly amazing!* – rappster
- *What an amazing tool. It's incredible.* – valyagolev
- *Aider is such an astounding thing!* – cgrothaus
- *It was WAY faster than I would be getting off the ground and making the first few working versions.* – Daniel Feldman
- *THANK YOU for Aider! It really feels like a glimpse into the future of coding.* – derwiki
- *It's just amazing. It is freeing me to do things I felt were out my comfort zone before.* – Dougie
- *This project is stellar.* – funkytaco
- *Amazing project, definitely the best AI coding assistant I've used.* – joshuavial
- *I absolutely love using Aider ... It makes software development feel so much lighter as an experience.* – principalideal0
- *I have been recovering from multiple shoulder surgeries ... and have used aider extensively. It has allowed me to continue productivity.* – codeninja
- *I am an aider addict. I'm getting so much more work done, but in less time.* – dandandan
- *After wasting $100 on tokens trying to find something better, I'm back to Aider. It blows everything else out of the water hands down, there's no competition whatsoever.* – SystemSculpt
- *Aider is amazing, coupled with Sonnet 3.5 it's quite mind blowing.* – Josh Dingus
- *Hands down, this is the best AI coding assistant tool so far.* – IndyDevDan
- *[Aider] changed my daily coding workflows. It's mind-blowing how a single Python application can change your life.* – maledorak
- *Best agent for actual dev work in existing codebases.* – Nick Dobos