

# gh-cobra

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A simple exercise using GitHub Cobra CLI to create an app that accesses the GitHub REST and GraphQL API's. It also gives help on basic Bash utilities.

Note : I use GitHub Copilot in Visual Studio Code, which made it much easier and quicker to get working. Especially working with the GitHub GraphQL API

## Commands

- `$gh-cobra api`
  - Print a list of public repositories on GitHub that belong to a specified owner.
  - Uses the GitHub REST API
  - see `cmd/api.go`
- `$gh-cobra graphql`
  - Print a list of public repositories on GitHub that belong to a specified owner.
  - Uses the GitHub GraphQL API with a manual POST request
  - This command requires a GitHub bearer token in the environment variable `GITHUB_TOKEN`
  - see `cmd/graphql.go`
- `$gh-cobra shurcool`
  - Print a list of public repositories on GitHub that belong to a specified owner.
  - Uses the GitHub GraphQL API using the `shurcoolL/graphql` client package
  - This command requires a GitHub bearer token in the environment variable `GITHUB_TOKEN`
  - see `cmd/shurcool.go`
- `$gh-cobra explain`
  - print help for basic Linux Bash utilities
  - This command requires an OpenAI api key in the environment variable `OPENAI_API_KEY`
  - see `cmd/explain.go` and `cmd/lc.go`

## Notes

- Built with Go version 1.8 or later
  - Run the app without building : `'go run . args...'`
  - Build the app : `'go build .'`
- The 'explain' command may give a warning like "Failed to calculate number of tokens...".
  - This warning is generated by the version of Langchain used in this app.
- You can add more to the list of supported names in the 'explain' command by updating the list in `lc.go`