Workshop 1

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Objective

- Basic command line, GitHub Tools
- Tutorial on creating a custom GPTs according to your own workflow
- Tutorial on JSON schema & OpenAI functional calling via API

Useful command lines

- `pwd` - Print Working Directory
- `ls` - List Directory Contents
- `ls -la` - `-a` Stands for Show all files, `-l` Stands for long format
- `cd` - Change Directory
- `mkdir` - Make Directory/Folder
- `touch` - Create Empty File
- `cp` - Copy
- `mv` - Move/Rename
- `rm` - Remove/Delete
- `rm -r` - `-r` stands for recursive: remove folders and items within recursively
- `.` - Current Directory
- `..` - Parent Directory

Dotfiles: hidden files, usually for configuration

Useful GitHub commands

- `git clone <repository_url>`
  - create a local copy of a remote Git repository
- `git checkout -b <branch_name>`
  - create a new branch in a Git repository and switch to that branch
- `git add <filename>`
  - add files and stage changes for committing in Git
- `git commit -m “Your commit message”`
  - create a new commit in Git
- `git push origin <branch_name>`
  - push the committed changes from your local branch to the remote repository

Creating Custom GPTs

- **Steps:**
  - Add Custom Instructions
  - Add Knowledge Files for GPT to refer to
  - Add Actions
- **Actions:**
  - Write your own schema that is consistent with endpoint's API of desired service
  - Simply ask ActionGPT to write the schema for you.
  - Make sure the server URLs and paths are correct

- `git clone https://github.com/g-1f/workshop.git`

Function Calling and structured data output

- Useful when you don’t want the full LLM output, but only the information you care about.
  - Efficient Information Retrieval
  - Automation
  - Accuracy and Consistency

- Extract keywords and entities effectively

- Can act as a universal classifier

- `git clone https://github.com/g-1f/workshop.git`