

# Documentation

## Data\_manager\_cli.py

This script creates a command-line interface (CLI) for interacting with a `PersonalDataManager` class. The CLI is designed using the **`argparse`** module.

Here's an overview of how the code works:

- It sets up the command-line argument parser (`argparse.ArgumentParser`) and groups the arguments into separate categories: Actions, Filters and Queries, and Output Options.
- It then defines various arguments within these groups, including `--add`, `--filter`, `--serialize`, `--display`, and `--filename`.
- After parsing the command-line arguments, an instance of `PersonalDataManager` is created using the provided filename.
- Based on the provided arguments, different actions are performed:
- If `--add` argument is provided, the script prompts the user for details (name, address, phone number) and adds a new record using `data_library.add_record()` method.
- If `--filter` argument is provided, the script filters the records using the provided filter string and prints the results.
- If `--serialize` argument is provided, the script serializes the records in the specified format and prints the serialized data.
- If `--display` argument is provided, the script displays the records in the specified format and prints the output.
- If no additional arguments are provided, the script prints the help message using `parser.print_help()`.