**Code Summary**

The implemented code comprises four classes. The Data class encapsulates a list and manages the read and write operations for a dynamic filename. The DataManager class ensures a singleton instance of Data for efficient data handling. ApplicationDriver serves as an interface for file listing, data filtering, and user interaction. The DataHandler class orchestrates CRUD operations, allowing users to add, edit, and delete data. Additionally, it incorporates statistical functionalities, offering mean and median calculations. The system supports user input for file operations, CRUD, and statistical analyses, providing a versatile and interactive tool for data management. This structure allows seamless integration of data manipulation, statistical computations, and user-driven interactions, making it a comprehensive solution for handling and analyzing datasets.

1. Data displayed.

A screen shot of a computer

Description automatically generated

1. Data added.

A screenshot of a computer program

Description automatically generated

1. Data edited.

A screenshot of a computer program

Description automatically generated

1. Data deleted.

A screenshot of a computer program

Description automatically generated

1. Data analysis

A screenshot of a computer

Description automatically generated

1. Data filtered.

**There are 4 types of filters:**

**Filter 1. - > fetching values that are greater than what the user specifies in a list**

**A screenshot of a computer program

Description automatically generated**

**Filter 2 - > Getting a list of integers in the range the user wants it in**

**A screenshot of a computer program

Description automatically generated**