Exercise - 02

Create and submit a computer program which serves as a query interface for its users. It should have the following features:

Feature A:
- Interfaces with the user through the terminal console. No GUI is required.
- Displays a **Welcome message**.
    - Welcome to <name your interface>
    - Please enter your name: <wait for input from user>

Go to the **Home Screen**.

Feature B:
- **Home Screen**
    - Clear the terminal screen
    - Hey <Username>, following is some information about our School.
        - We have <N> Faculty
        - We have <N> UG students and <N> PhD Students

    - Please enter:
        - 1 - To see **Faculty list**
        - q - To exit

Feature C:
- For **Faculty list display**:
    - Clear the terminal screen
    - Outputs a sequence of Faculty Names (sorted alphabetically (first name), one name per line, capitalized)

    - Please enter:
        - Faculty first name to know more.
        - 2 - Go Home
        - q - To exit

Feature D:
- For **Faculty information display**:
    - Clear the terminal screen
    - Outputs
        - Faculty Name (one detail per line, proper capitalization)
        - Department:
        - Phone number:
        - Email:
        - Research interests:

    - Please enter:
        - 1 - To **save the above information to a .txt file**.

- 2 - Go Home
- q - To exit

Feature E:
- For **save the above information to a .txt file**
  - Clear the terminal screen
  - Save the requested Faculty information into <username_faculty_name>.txt file. The output should be formatted the way you output it on the terminal.
  - Display
    - File save as <username_faculty_name>.txt
  - Please enter:
    - 2 - Go Home
    - q - To exit