Overview

The problem Statement was to : **write a shell script to manage a todo list from command line. The script should be able to add, remove, list, prepend, append, deduplicate todo items.**

Source code of the shell script is given below. You can find the file here:- to-do-list.sh (Simply, click on the file name to open it)

Note: The script needs todo.txt file to be present in the same directory. The script will create the file if it does not exist.

Features

Features are pretty straightforward. The script can do the following: 1. Append a todo item to the end of the list. 2. Prepend a todo item to the beginning of the list. 3. Display all todo items in the list. 4. Add a todo item at a specific index. 5. Remove a todo item by its index. 6. Sort the todo items alphabetically. 7. Remove duplicate todo items from the list. 8. Clear all items from the list. 9. Exit the script. **Note: Wherever `index` is required it always starts with `1`. `index` always refers to task number.**

Usage

1. First, we need to give execution permission to the shell script. Open terminal and make sure you are in the correct directory i.e `shell-scripting-assignments/to-do-list`. Execute following command to give execution permission

```
chmod +x to-do-list.sh
```

2. Simply, run the script

```
./to-do-list.sh
```

3. How to use?
   1. You will see a menu with options.
   2. Enter the number corresponding to the option you want to perform.
   3. Follow the instructions given in the script.
   4. ex:

- View the todo list

```
→  to-do-list git:(main) x ./to-do-list.sh

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1. Append a todo item
2. Prepend a todo item
3. List all todo items
4. Add a todo item
5. Remove a todo item
6. sort todo items
7. Deduplicate todo items
8. Clear list
9. Exit
------------------------------

Enter your choice: 3


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Do Homework
Submit Assignment
Complete Assignment
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```

- append a todo item

```
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1. Append a todo item
2. Prepend a todo item
3. List all todo items
4. Add a todo item
5. Remove a todo item
6. sort todo items
7. Deduplicate todo items
8. Clear list
9. Exit
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Enter your choice: 1
Enter todo item to append: prepare presentation script
```

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