Lab Assignment 3
Subject:Data Structure Lab
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Input:
```python
write_stack = []
rewrite_stack = []

def changes():
    text = input("Enter any text: ")
    write_stack.append(text)
    rewrite_stack.clear()

def undo_operation():
    if write_stack:
        a = write_stack.pop()
        rewrite_stack.append(a)
    else:
        print("No text to undo")

def redo_operation():
    if rewrite_stack:
        a = rewrite_stack.pop()
        write_stack.append(a)
    else:
        print("No text to redo")

def display():
    if write_stack:
        print("Current text:", end=" ")
        for i in write_stack:
            print(i, end=" ")
        print()
    else:
        print("No text available")

while True:
    print("\n--- MENU ---")
    print("1. Enter the text")
    print("2. Undo the operation")
    print("3. Redo the operation")
    print("4. Display")
    print("5. Exit")

    choice = int(input("Enter the operation to perform: "))

    if choice == 1:
        changes()
    elif choice == 2:
        undo_operation()
    elif choice == 3:
```

```
        redo_operation()
    elif choice == 4:
        display()
    elif choice == 5:
        print("Exit")
        break
    else:
        print("invalid input.")
```

Output:

```
1. Enter the text
2. Undo the operation
3. Redo the operation
4. Display
5. Exit
Enter the operation to perform: 1
Enter any text: Hi Sojal

--- MENU ---
1. Enter the text
2. Undo the operation
3. Redo the operation
4. Display
5. Exit
Enter the operation to perform: 2

--- MENU ---
1. Enter the text
2. Undo the operation
3. Redo the operation
4. Display
5. Exit
Enter the operation to perform: 3

--- MENU ---
1. Enter the text
2. Undo the operation
3. Redo the operation
4. Display
5. Exit
Enter the operation to perform: 4
Current text: Hi Sojal
```