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Books.java

Share Run

```java
import java.util.Stack;
import java.util.Scanner;
public class Books {
    public static void main(String args[]) {

        Stack<String> oldShelf = new Stack<>();
        Stack<String> newShelf = new Stack<>();
        Scanner scanner = new Scanner(System.in);

        System.out.print("Enter number of books in old shelf: ");
        int books = scanner.nextInt();
        scanner.nextLine();

        for (int i = 0; i < books; i++) {
            System.out.print("Enter book name: ");
            String book = scanner.nextLine();
            oldShelf.push(book);
        }

        while (!oldShelf.isEmpty()) {
            String currentBook = oldShelf.pop();

            System.out.print("Is \"" + currentBook + "\" damaged? (yes/no): ");
            String answer = scanner.nextLine();

            if (!answer.equalsIgnoreCase("yes")) {
                newShelf.push(currentBook);
            }
        }


        System.out.println("\n Books in new shelf (LIFO order):");
        while (!newShelf.isEmpty()) {
            System.out.println(newShelf.pop());
        }
```

Output Clear

```
Enter number of books in old shelf: 3
Enter book name: Aaaa
Enter book name: Bbbb
Enter book name: Cccc
Is "Cccc" damaged? (yes/no): no
Is "Bbbb" damaged? (yes/no): yes
Is "Aaaa" damaged? (yes/no): no

 Books in new shelf (LIFO order):
Aaaa
Cccc

=== Code Execution Successful ===
```

2 new notifications

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Main.java

Share Run

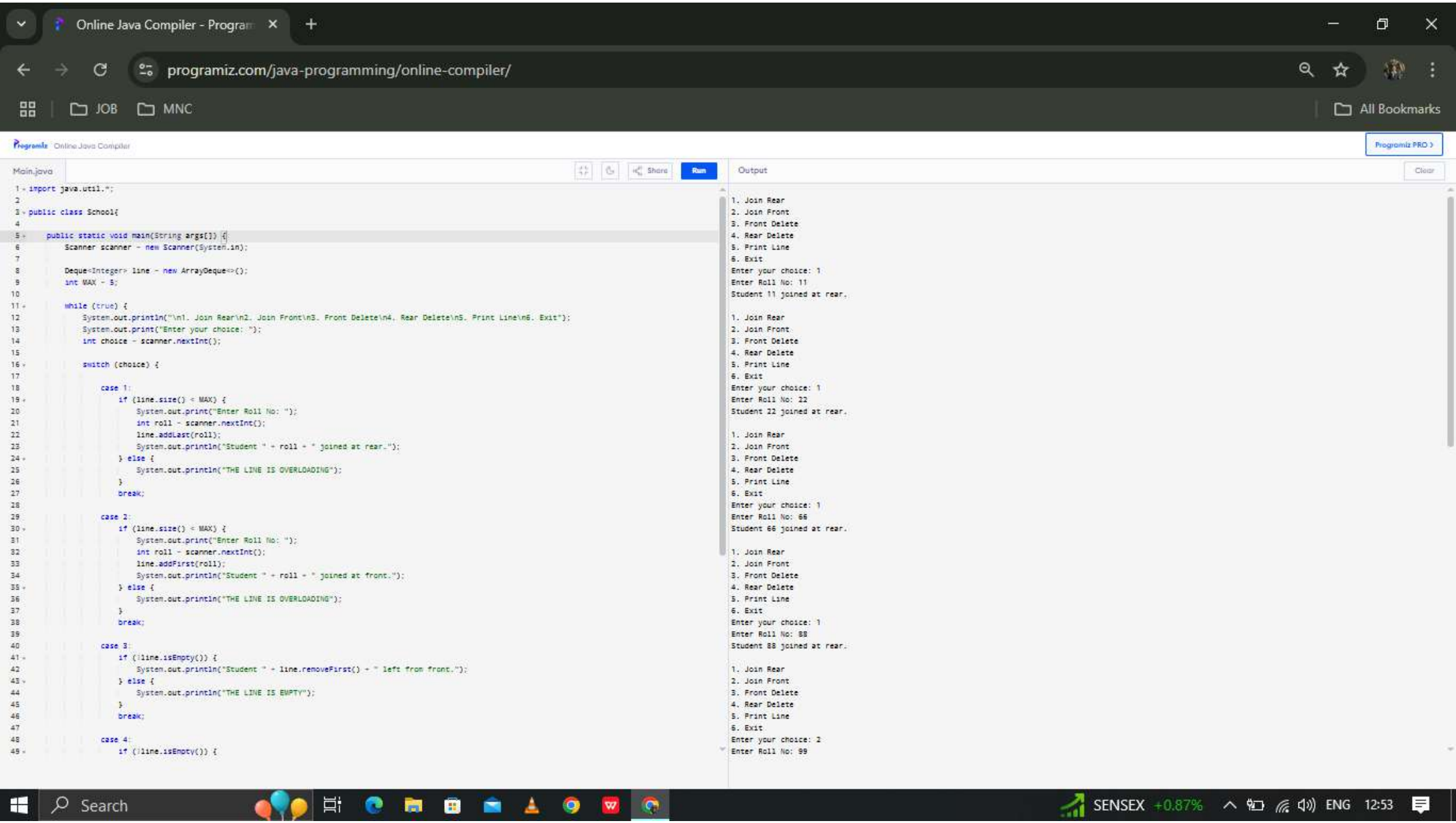
```java
import java.util.*;

public class Job{
    public static void main(String args[]) {
        Queue<String> jobs = new LinkedList<>();
        Scanner scanner = new Scanner(System.in);
        final int MAX = 3;

        while (true) {
            System.out.println("\n 1. Add Job 2. Remove Job 3. View Jobs 4. Exit");
            int choice = scanner.nextInt();
            scanner.nextLine();

            if (choice == 1) {
                if (jobs.size() < MAX) {
                    System.out.print("Enter job name: ");
                    jobs.add(scanner.nextLine());
                } else
                System.out.println("PRINTJOB IS FULL, CANNOT ADD ANY MORE.");
            }
            else if (choice == 2) {
                if (!jobs.isEmpty())
                    System.out.println("Removed: " + jobs.poll());
                else
                    System.out.println("PRINT JOB IS EMPTY.");
            }
            else if (choice == 3) {
                System.out.println(jobs.isEmpty() ? "No jobs." : jobs);
            }
            else if (choice == 4){
                break;
            }
            else {
                System.out.println("Invalid choice.");
            }
```

Output

Clear

```
 1. Add Job 2. Remove Job 3. View Jobs 4. Exit
1
Enter job name: aaaa

 1. Add Job 2. Remove Job 3. View Jobs 4. Exit
1
Enter job name: bbb

 1. Add Job 2. Remove Job 3. View Jobs 4. Exit
1
Enter job name: ccc

 1. Add Job 2. Remove Job 3. View Jobs 4. Exit
3
[aaaa, bbb, ccc]

 1. Add Job 2. Remove Job 3. View Jobs 4. Exit
2
Removed: aaaa

 1. Add Job 2. Remove Job 3. View Jobs 4. Exit
3
[bbb, ccc]

 1. Add Job 2. Remove Job 3. View Jobs 4. Exit
4

=== Code Execution Successful ===
```

Search 32°C Mostly cloudy ENG 13:13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Main.java
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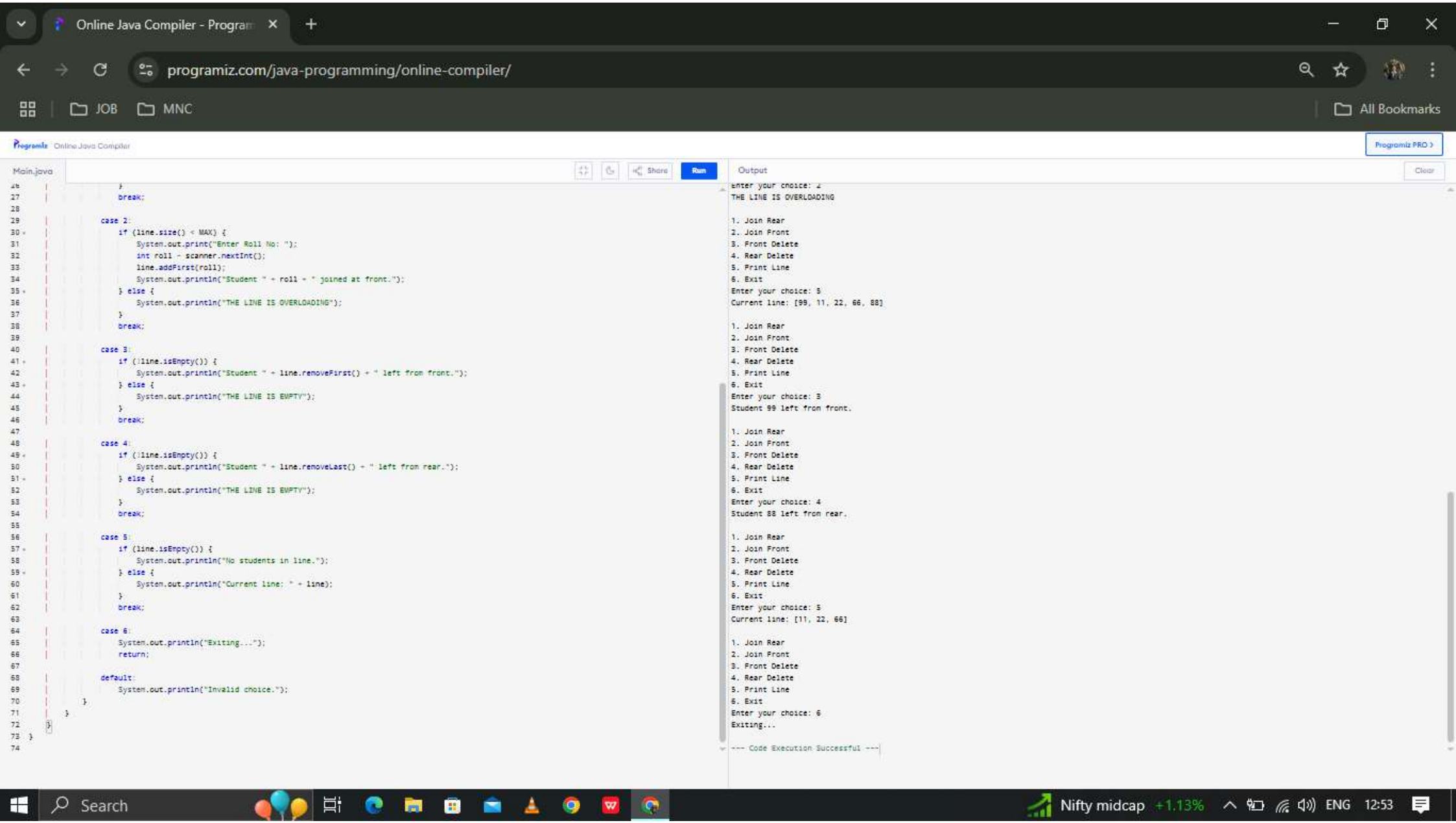
Clear
import java.util.*;
public class School{
public static void main(String args[]) {
Scanner scanner = new Scanner(System.in);
Deque<Integer> line = new ArrayDeque<>();
int MAX = 5;
while (true) {
System.out.println("\n1. Join Rear\n2. Join Front\n3. Front Delete\n4. Rear Delete\n5. Print Line\n6. Exit");
System.out.print("Enter your choice: ");
int choice = scanner.nextInt();
switch (choice) {
case 1:
if (line.size() < MAX) {
System.out.print("Enter Roll No: ");
int roll = scanner.nextInt();
line.addLast(roll);
System.out.println("Student " + roll + " joined at rear.");
} else {
System.out.println("THE LINE IS OVERLOADING");
}
break;
case 2:
if (line.size() < MAX) {
System.out.print("Enter Roll No: ");
int roll = scanner.nextInt();
line.addFirst(roll);
System.out.println("Student " + roll + " joined at front.");
} else {
System.out.println("THE LINE IS OVERLOADING");
}
break;
case 3:
if (!line.isEmpty()) {
System.out.println("Student " + line.removeFirst() + " left from front.");
} else {
System.out.println("THE LINE IS EMPTY");
}
break;
case 4:
if (!line.isEmpty()) {
1. Join Rear
2. Join Front
3. Front Delete
4. Rear Delete
5. Print Line
6. Exit
Enter your choice: 1
Enter Roll No: 11
Student 11 joined at rear.
1. Join Rear
2. Join Front
3. Front Delete
4. Rear Delete
5. Print Line
6. Exit
Enter your choice: 1
Enter Roll No: 22
Student 22 joined at rear.
1. Join Rear
2. Join Front
3. Front Delete
4. Rear Delete
5. Print Line
6. Exit
Enter your choice: 1
Enter Roll No: 66
Student 66 joined at rear.
1. Join Rear
2. Join Front
3. Front Delete
4. Rear Delete
5. Print Line
6. Exit
Enter your choice: 1
Enter Roll No: 88
Student 88 joined at rear.
1. Join Rear
2. Join Front
3. Front Delete
4. Rear Delete
5. Print Line
6. Exit
Enter your choice: 2
Enter Roll No: 99
Search
SENSEX +0.87%
ENG
12:53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break;
case 2:
if (line.size() < MAX) {
System.out.print("Enter Roll No: ");
int roll = scanner.nextInt();
line.addFirst(roll);
System.out.println("Student " + roll + " joined at front.");
} else {
System.out.println("THE LINE IS OVERLOADING");
}
break;
case 3:
if (!line.isEmpty()) {
System.out.println("Student " + line.removeFirst() + " left from front.");
} else {
System.out.println("THE LINE IS EMPTY");
}
break;
case 4:
if (!line.isEmpty()) {
System.out.println("Student " + line.removeLast() + " left from rear.");
} else {
System.out.println("THE LINE IS EMPTY");
}
break;
case 5:
if (line.isEmpty()) {
System.out.println("No students in line.");
} else {
System.out.println("Current line: " + line);
}
break;
case 6:
System.out.println("Exiting...");
return;
default:
System.out.println("Invalid choice.");
}
}
}
}
Enter your choice: 2
THE LINE IS OVERLOADING
1. Join Rear
2. Join Front
3. Front Delete
4. Rear Delete
5. Print Line
6. Exit
Enter your choice: 5
Current line: [99, 11, 22, 66, 88]
1. Join Rear
2. Join Front
3. Front Delete
4. Rear Delete
5. Print Line
6. Exit
Enter your choice: 3
Student 99 left from front.
1. Join Rear
2. Join Front
3. Front Delete
4. Rear Delete
5. Print Line
6. Exit
Enter your choice: 4
Student 88 left from rear.
1. Join Rear
2. Join Front
3. Front Delete
4. Rear Delete
5. Print Line
6. Exit
Enter your choice: 5
Current line: [11, 22, 66]
1. Join Rear
2. Join Front
3. Front Delete
4. Rear Delete
5. Print Line
6. Exit
Enter your choice: 6
Exiting...
--- Code Execution Successful ---
Search
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ENG
12:53