```java
// Main.java

import java.util.Scanner;

public class Main {
    private static final Scanner scanner = new
Scanner(System.in);

    public static void main(String[] args) {
        Interface_STK fixedStack = new Fixed_stk();
        Interface_STK growableStack = new
Growable_stk();

        int choice;
        do {
            System.out.println("1. Push to Fixed
Stack");
            System.out.println("2. Pop from Fixed
Stack");
            System.out.println("3. Display Fixed
Stack");
            System.out.println("4. Push to Growable
Stack");
            System.out.println("5. Pop from Growable
Stack");
            System.out.println("6. Display Growable
Stack");
            System.out.println("0. Exit");

            System.out.print("Enter your choice: ");
            choice = scanner.nextInt();

            switch (choice) {
                case 1:
                    System.out.print("Enter element
to push into Fixed Stack: ");
                    fixedStack.push(scanner.nextInt
());
                    break;
                case 2:
                    System.out.println("Popped
```

```java
31 element from Fixed Stack: " + fixedStack.pop());
32                         break;
33                 case 3:
34                     System.out.println("Fixed Stack:"
   );
35                     fixedStack.displayStack();
36                     break;
37                 case 4:
38                     System.out.print("Enter element
   to push into Growable Stack: ");
39                     growableStack.push(scanner.
   nextInt());
40                     break;
41                 case 5:
42                     System.out.println("Popped
   element from Growable Stack: " + growableStack.pop
   ());
43                     break;
44                 case 6:
45                     System.out.println("Growable
   Stack:");
46                     growableStack.displayStack();
47                     break;
48                 case 0:
49                     System.out.println("Exiting...");
50                     break;
51                 default:
52                     System.out.println("Invalid
   choice. Please enter a valid option.");
53             }
54         } while (choice != 0);
55     }
56 }
57
```