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Main.java

Run

Clear

```
1 import java.util.ArrayList;
2 import java.util.Scanner;
3
4 public class ProductManager {
5     private ArrayList<String> products;
6     private Scanner scanner;
7
8     public ProductManager() {
9         products = new ArrayList<>();
10        scanner = new Scanner(System.in);
11    }
12
13    public void start() {
14        int choice;
15        do {
16            System.out.println("1. Add");
17            System.out.println("2. Display");
18            System.out.println("3. Exit");
19            System.out.print("Enter your choice: ");
20            choice = scanner.nextInt();
21            scanner.nextLine(); // Consume newline
22
23            switch (choice) {
24                case 1:
25                    addProduct();
26                    break;
27                case 2:
28                    displayProducts();
29                    break;
30                case 3:
31                    System.out.println("Thank you for using the application.");
32                    break;
33                default:
34                    System.out.println("Invalid choice. Please try again.");
35            }
36        } while (choice != 3);
```

```
java -cp /tmp/T7ACT41Tn6/ProductManager
1. Add
2. Display
3. Exit
Enter your choice: 1
Enter the product: 2
1. Add
2. Display
3. Exit
Enter your choice: 1
Enter the product: 2
1. Add
2. Display
3. Exit
Enter your choice: 3
Thank you for using the application.

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

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System Tray

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Main.java

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case 2:

displayProducts();

break;

case 3:

System.out.println("Thank you for using the application.");

break;

default:

System.out.println("Invalid choice. Please try again.");

}

} while (choice != 3);

scanner.close();

}

private void addProduct() {

System.out.print("Enter the product: ");

String product = scanner.nextLine();

products.add(product);

}

private void displayProducts() {

if (products.isEmpty()) {

System.out.println("No products added yet.");

} else {

System.out.println("List of products:");

for (String product : products) {

System.out.println(product);

}

}

}

public static void main(String[] args) {

ProductManager manager = new ProductManager();

manager.start();

}

}

Run

Output

Clear

java -cp /tmp/T7ACT41Tn6/ProductManager

1. Add

2. Display

3. Exit

Enter your choice: 1

Enter the product: 2

1. Add

2. Display

3. Exit

Enter your choice: 1

Enter the product: 2

1. Add

2. Display

3. Exit

Enter your choice: 3

Thank you for using the application.

=== Code Execution Successful ===

Windows Taskbar

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