

INPUT_INTEGER

```
import java.util.InputMismatchException;

import java.util.Scanner;

public class IntegerInputHandler {

    public static void main(String[] args) {

        Scanner scanner = new Scanner(System.in);

        boolean continueInput = true;
        while (continueInput) {
            try {

                // Prompt the user to enter an integer

                System.out.print("Enter an integer: ");

                int number = scanner.nextInt(); // Attempt to read an integer from the user

                // If no exception occurs, display the entered integer

                System.out.println("You entered: " + number);

                // Ask the user if they want to enter another integer

                System.out.print("Do you want to enter another integer? (yes/no): ");

                String choice = scanner.next();

                if (!choice.equalsIgnoreCase("yes")) {

                    continueInput = false; // Set continueInput to false to exit the loop

                }

            } catch (InputMismatchException e) {

                // If InputMismatchException occurs (user entered non-integer), display error
                message

                System.out.println("Error: Please enter a valid integer.");

                scanner.nextLine(); // Clear the input buffer
            }
        }
    }
}
```

```
        }  
    }  
  
    scanner.close(); // Close the scanner to release resources  
}  
}
```

OUTPUT

Enter an integer: 10

You entered: 10

Do you want to enter another integer? (yes/no): yes

Enter an integer: adesh

Error: Please enter a valid integer.

Enter an integer: 5

You entered: 5

Do you want to enter another integer? (yes/no):