

# Klassen

## Objektorientierte Programmierung

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### Debugging

```
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- Absturz -
```

## Auto-Korrektur

```

import java.io.IOException;
import java.net.MalformedURLException;
import java.net.URL;
import java.util.Scanner;

import org.apache.commons.lang3.StringUtils;

public class AutoCorrect {

    public static void main(String[] args) {

        Scanner scanner = new Scanner(System.in);

        System.out.print("Suchwort: ");
        String search = scanner.nextLine();

        scanner.close();

        try {
            URL url = new URL("http://wortschatz.uni-
leipzig.de/Papers/top1000de.txt");
            Scanner file = new Scanner(url.openStream());

            String fit = "";
            int min = Integer.MAX_VALUE;

            while(file.hasNextLine()) {
                String word = file.nextLine();
                int d = StringUtils.getLevenshteinDistance(search,word);
                if (d < min) {
                    min = d;
                    fit = word;
                }
            }
            System.out.println("Passendes Wort: "+fit);

            file.close();
        }
        catch (MalformedURLException e) {
            System.out.println("URL existiert nicht");
        }
        catch (IOException e) {
            System.out.println("Fehler in der Verbindung");
        }
    }
}

```