

StringArrayAnalyzer.java

```
package loops_and_arrays;

public class StringArrayAnalyzer extends StringArrayStats
{
    public StringArrayAnalyzer(String[] array)
    {
        super(array);
    }

    public StringArrayStats analyze(String[] array)
    {
        for (int i = 0; i < array.length - 1; i++)
        {
            if (minStringLength < array[i].length())
            {
                indexLastMin = i;
                minStringLength = array[i].length();
                lastStringWithMinLength = array[i];
            }
            if (maxStringLength > array[i].length())
            {
                indexLastMax = i;
                maxStringLength = array[i].length();
                lastStringWithMaxLength = array[i];
            }
        }
        for (int i = array.length - 1; i > 0; i--)
        {
            if (minStringLength <= array[i].length())
            {
                indexFirstMin = i;
                firstStringWithMinLength = array[i];
            }
            if (maxStringLength >= array[i].length())
            {
                indexFirstMax = i;
                firstStringWithMaxLength = array[i];
            }
        }
        return (StringArrayStats) this;
    }
}
```