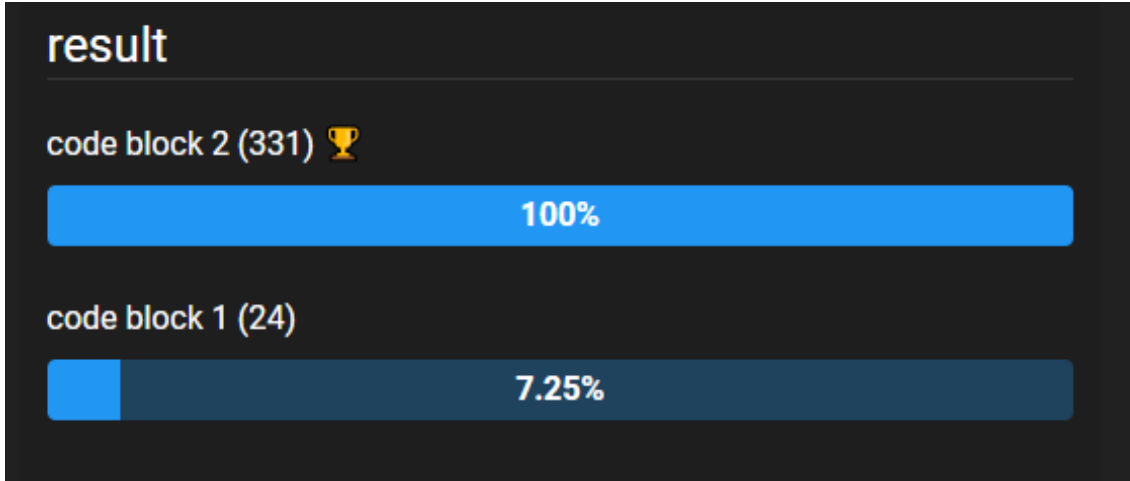


Functionality Investigation Sheet

Feature: Main Search	
Problem: To stand out of the competition the search sequence must be as smooth as possible	

Option 1: Native loops (for, while...)	
Benefits: <ul style="list-style-type: none"> You can break out of a loop earlier 	Disadvantages: <ul style="list-style-type: none"> Set up a variable for iteration with a condition to stop

Option 2: class methods (foreach, filter, map, reduce)	
Benefits: <ul style="list-style-type: none"> Lower chance of accidental errors Is easier to read Fewer lines of code Loops inside loops are easier to read 	Disadvantages
Much faster	

Solution Retention: We have chosen the class methods approach because of the clear benchmark test from jsben.ch
 <p>The screenshot shows a benchmark result from jsben.ch. It displays two code blocks: 'code block 2 (331)' with a trophy icon and a blue bar representing 100%, and 'code block 1 (24)' with a dark blue bar representing 7.25%.</p>

