

# Code Analysis Report

**File:** ConstantTime.java  
**Language:** Java  
**Analysis Date:** 2025-10-03T09:56:45.800237Z

## Quality Metrics

| Metric          | Score   | Status |
|-----------------|---------|--------|
| Overall Quality | 48/100  | Low    |
| Code Coverage   | 0%      | Fail   |
| Complexity      | 0/100   | Low    |
| Quality Level   | Unknown |        |

## Bug Analysis

|                      |        |
|----------------------|--------|
| Detection Efficiency | 60%    |
| Total Bugs Found     | 0      |
| Severity             | Medium |

## Time Complexity Analysis

**Dominant Complexity:** O(1)  
**Confidence:** 70%

## Code Review

```
public static voidSystem.out.println(getFirst(arr));System.out.println(getFirst(arr));System.out.println
(getFirst(arr));System.out.println(getFirst(arr));System.out.println(getFirst(arr));System.out.println(g
etFirst(arr));System.out.println(getFirst(arr));System.out.println(getFirst(
```

## Generated Tests

```
public static voidSystem.out.println(getFirst(arr));System.out.println(getFirst(arr));System.out.println
(getFirst(arr));System.out.println(getFirst(arr));System.out.println(getFirst(arr));System.out.println(g
etFirst(arr));System.out.println(getFirst(arr));System.out.println(getFirst(
```

## Generated Documentation

```
System.out.println(getFirst(arr));System.out.println(getFirst(arr));System.out.println(getFirst(arr));Sy  
stem.out.println(getFirst(arr));System.out.println(getFirst(arr));System.out.println(getFirst(arr));Syste  
m.out.println(getFirst(arr));System.out.println(getFirst(arr));System.out.println(getFirst
```