# Code Similarity Analysis Report

## Analysis Summary

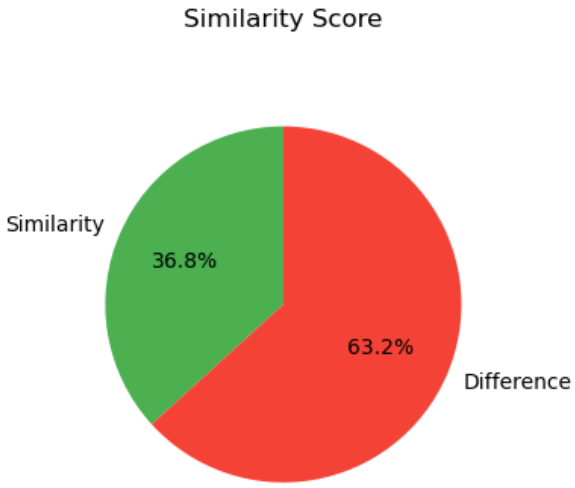
Comparison between: py_plag1.txt and py_diff2.txt

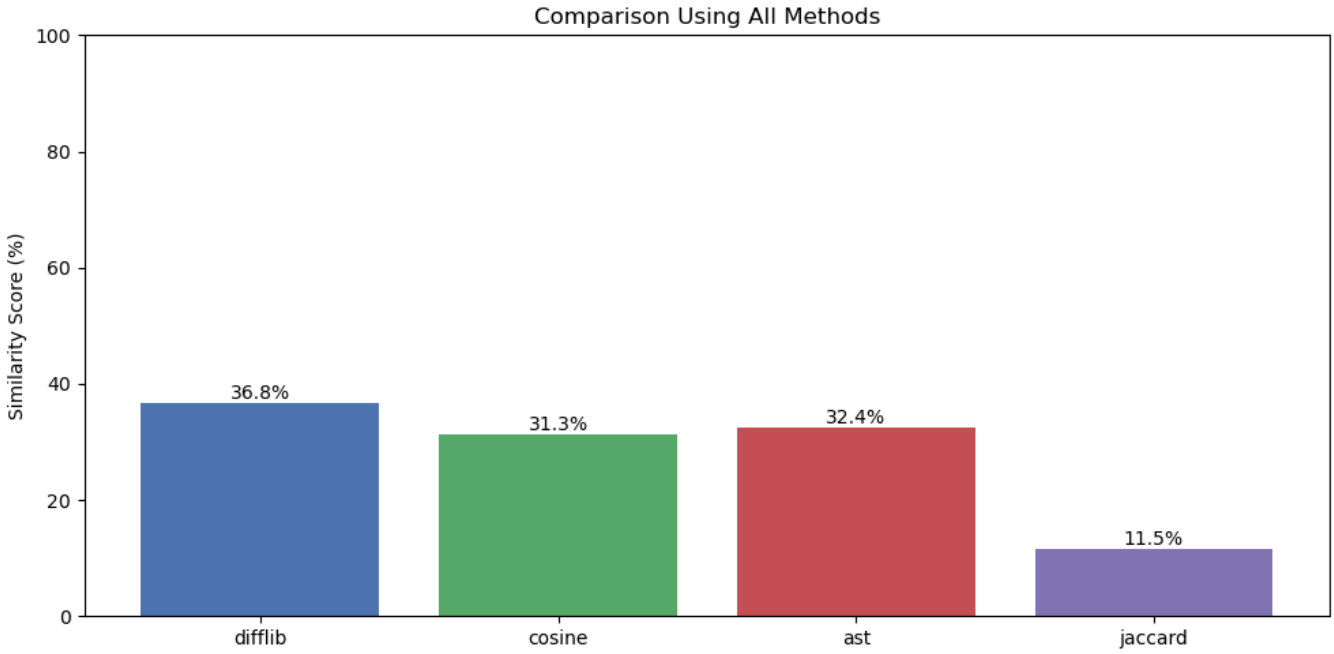
Selected Method: DIFFLIB

Similarity Score: 36.76%

Plagiarism Threshold (70%) Exceeded: No

## Similarity Visualizations



# Code Similarity Report

## Preprocessing Details

Before comparison, the following preprocessing steps were applied:

1. All comments were removed

2. All identifiers were normalized (variables ? vN, functions ? fN, etc.)

## Original vs Preprocessed Code

Original py_plag1.txt:

```
def add(a, b):
    return a + b

result = add(3, 4)
print("Sum is", result)
```

Preprocessed py_plag1.txt:

```
def f0(p0, p1):
    return a + b
v0 = add(3, 4)
print('Sum is', result)
```

Original py_diff2.txt:

```
def check_even_odd(n):
    if n % 2 == 0:
        print("Even")
    else:
        print("Odd")

number = 13
check_even_odd(number)
```

Preprocessed py_diff2.txt:

```
def f0(p0):
    if n % 2 == 0:
        print('Even')
    else:
        print('Odd')
v0 = 13
check_even_odd(number)
```

## Detailed Differences (Preprocessed Code)

```
--- file1
```

# Code Similarity Report

```
+++ file2
@@ -1,4 +1,7 @@
-def f0(p0, p1):
-    return a + b
-v0 = add(3, 4)
-print('Sum is', result)
+def f0(p0):
+    if n % 2 == 0:
+        print('Even')
+    else:
+        print('Odd')
+v0 = 13
+check_even_odd(number)
```