Code Similarity Analysis Report

Analysis Summary

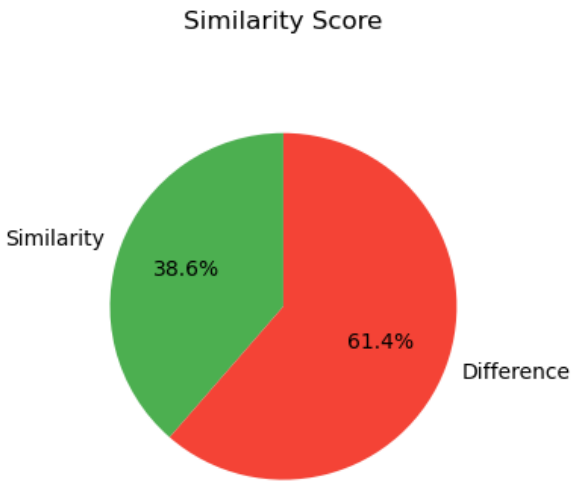
Comparison between: py_diff1.txt and py_diff2.txt

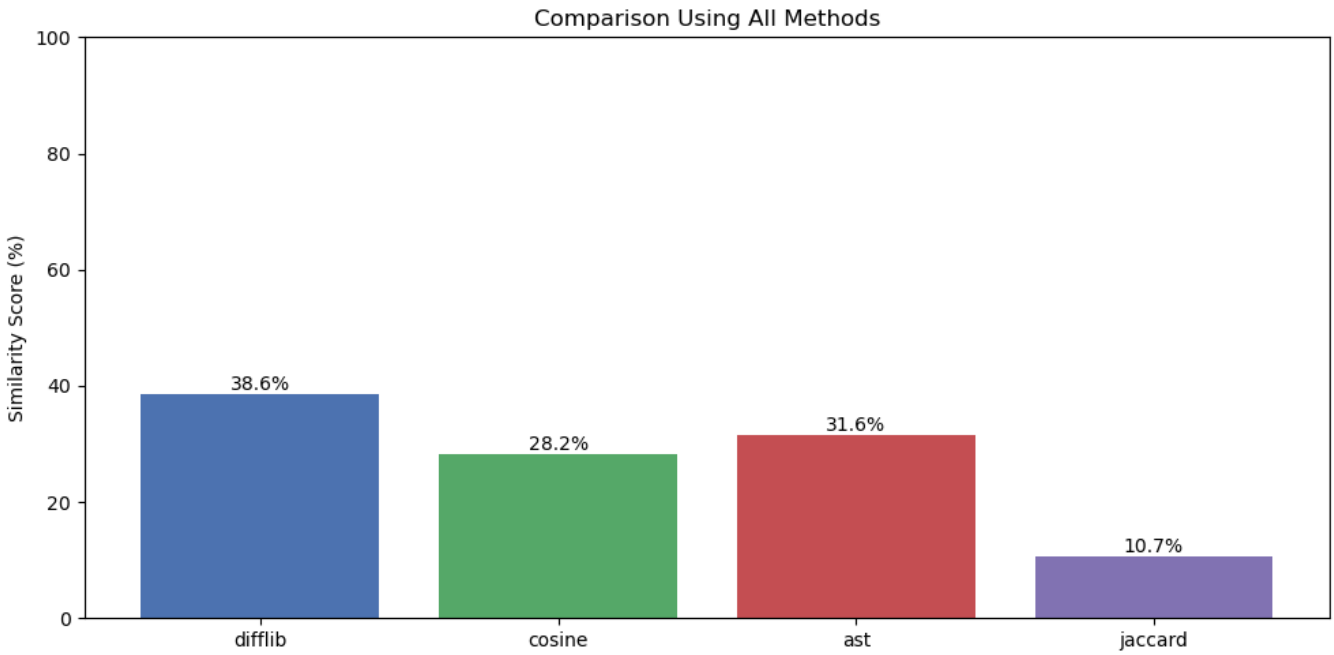
Selected Method: DIFFLIB

Similarity Score: 38.61%

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_diff1.txt:

```
def multiply(a, b):
    return a * b

num1 = 6
num2 = 7
print("Product is", multiply(num1, num2))
```

Preprocessed py_diff1.txt:

```
def f0(p0, p1):
   return a * b
v0 = 6
v1 = 7
print('Product is', multiply(num1, num2))
```

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)
```

Code Similarity Report

Detailed Differences (Preprocessed Code)

```
--- file1
+++ file2
@@ -1,5 +1,7 @@
-def f0(p0, p1):
-    return a * b
-v0 = 6
-v1 = 7
-print('Product is', multiply(num1, num2))
+def f0(p0):
+    if n % 2 == 0:
+        print('Even')
+    else:
+        print('Odd')
+v0 = 13
+check_even_odd(number)
```