

```

1  #!/usr/bin/env python3
2
3  # This file is the main entrypoint for the MED code
4  # Can be called from the command line
5
6  import sys
7  import os
8  import MED
9
10 def main():
11     # If we didn't get enough arguments, print usage info and exit
12     if len(sys.argv) < 3:
13         print("USAGE: %s SOURCE_WORD DESTINATION_WORD" % sys.argv[0])
14         sys.exit(1)
15
16     matrix = MED.Matrix(sys.argv[1], sys.argv[2])
17
18     print("Minimum Edit Distance: %d" % matrix.MED)
19     print("Distance Matrix/Backtrace Matrix:")
20
21     print(matrix.getDistMatrixFormatted())
22
23     sys.stdout.write(os.linesep) # Newline
24
25     print(matrix.getBTMatrixFormatted())
26
27     sys.stdout.write(os.linesep) # Newline again
28
29     print("String Alignment:")
30     print(matrix.getStringAlignmentFormatted())
31
32 # Having a main() makes Python feel like C, which makes me feel better
33 if __name__ == "__main__":
34     main()

```