Jeffrey How – ███████

COMP472: A4 Report

Instructions:

In order to use the program, open the 'LanguageIdentifier' project in Eclipse and press 'Run'. Make sure that the following files are included in the project folder: CharacterList.txt, EnglishText.txt, SpanishText.txt and FrenchText.txt.

Assumptions:
- Letters A – Z
- Case Insensitive
- Punctuation Used
  - Colon [:] → due to its common use in French[1].
  - Apostrophe ['] → used often in both French and English, but adjacent characters may differ[1]. For example: J'aime vs. I'll
  - Quotations ["] → due to common use in English[1].
  - All other characters (numbers, spaces and other punctuation) were grouped together as a single character represented by '?'.

Third Language: I chose Spanish as the third language since it has a similar character base to English and French.

5 Correct Sentences: including scores

- Where are Jim and Julia? → English: -63, French: -68, Spanish: -70
- Ils reviendront au final, peut-etre. → French: -91, English: -97.8, Spanish: -98
- Nada hay mas surreal que la realidad. → Spanish: -93, English: -101, French: -104
- I can't wait for Christmas vacation! → English: -98, French: -101, Spanish: -108
- Toute méchanceté vient de faiblesse. → French: -88, English: -94, Spanish: -98

5 Incorrect Sentences: including scores
- Tu es un grand canard. →Spanish: -56, French: -58, English: -58
- Genius is patience. → Spanish: -49, French: -49.3, English: -51
- The quiet queen's zeppelin zipped by → French: -107, English: -110, Spanish: -115
- Allons-y! → Spanish: -22, English: -23, French: -25
- Te amo → French: -14.6, Spanish: -14.8, English: -14.8

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[1] http://french.about.com/library/writing/bl-punctuation.htm