Abstract

Searching for names in large databases containing spelling variations has always been a problem. The first solution to the problem was proposed by Robert Russell in 1912 as he proposed SoundEx algorithm. SoundEx algorithm matches the names based on the sound of the words. The technique which is based on the pronunciation of the word is known as phonetic matching. SoundEx algorithm is one of the phonetic matching algorithms. We have discussed the other phonetic matching algorithm like edit distance algorithm, K-String and Q gram algorithm, Guth algorithm, Daitch Mokotoff algorithm and Metaphone coding algorithm. Our main focus is on the SoundEx algorithm and this paper also describes the issues with SoundEx algorithm.

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