1. The name of the Python package/module

Fuzzy String
2. A link to the package's source code (e.g., its GitHub repository)

https://github.com/seatgeek/thefuzz

3. A link to the packages' website, documentation, etc. (if different from the above)

Same as above, this is the latest version.

4. A brief description (*in your own words*) of what the package does and some key classes and/or functions from it

This is a library to do string matching. It can do both exact string matching and approximate string matching.

The basic function of this library is to compare the strings and return a score indicating re equivalence percentage. This is an example of exact string matching.

Simple Ratio

```
>>> fuzz.ratio("this is a test", "this is a test!")
    97
```

There are also advanced comparing functions such as partial ratio returns the ratio of the most similar substring and if the score is over 99.5%, it would return 100%. This is an example of approximate string matching. There are several other advanced sorting methods in this function as well. Please go to the GitHub link above to explore more functions.

Partial Ratio

```
>>> fuzz.partial_ratio("this is a test", "this is a test!")
    100
```

5. A brief description of why you chose this package (why it is interesting/useful to you)

The reason why I chose this package is because I think this is a very useful and practical package. The string-matching function can be implemented in many areas, such as Plagiarism Detection, Bioinformatics and DNS Sequencing, Digital Forensics, Spelling Checker, Spam filters, Search engines or content search in large databases, Intrusion Detection System, and more.