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Ideator –
An Automated Solution Generator For Deprecated Code

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Abstract

Code refactoring is a crucial topic in the software development industry but only the developers who work in high end projects have some idea about the importance of code refactoring. Often code refactoring is neglected which leads to unstructured and dirty code bases that are hard to maintain. The main problem that code refactoring is that code refactoring is a time consuming work that has to be carried out only to clean the code which is working fine. This is the reason why code refactoring is very much neglected in low end product developments. But the importance of code refactoring is not just to make clean code but also the lower the maintaining costs of the software products.

This research addresses the above mentioned problem and proposes a solution, An automated deprecation code solution finder which is a tool that will search for a java class for any deprecated content and provide the user with a solution to replace the deprecated content in the codebase. The solution is generated on top web search results.

Keywords: Java, Code refactoring, Code review, centroid based multi document summarization, Natural Language processing, Web scraping.