TIOBE Index

TIOBE which stands for “The Importance of Being Earnest” is the way of ranking Computer programming languages on the basis of their popularity among people. TIOBE index was created and is maintained by the TIOBE Company in Eindhoven, Netherlands. Previously, when this index was first introduced, the calculations for ranking programming languages was based on google searches. This was changed later on when the faulty search results were found to have influenced the ranking of these languages. Since then, the index is calculated from number of search engine results for queries containing the name of the languages [1]. Some popular search engines used are: Google, Yahoo, MSN, YouTube and others. Some of the most poplar languages in this index are Java, C, C++, Php, C, JavaScript, Python and others where Java has been 1st for a decade now. There is a lot of fluctuation when it comes to arranging these languages in order of TIOBE index. If we see the graph the index in every year from 2012 to 2018, we can observe these changes [2]. For example, python started at bottom of the index and has climbed its way up. In other hand, C and Java has been frequently changing positions as words first and second-best programming languages. There are many factors that are responsible for such fluctuation in TIOBE index. One of the easily spotted reason is the public demand. People demand programming language that is versatile i.e. can be used in multiple platforms, efficient and more humane i.e. bending towards human language. For example, if we had the option to choose between java and C there is more chance of going with Java as it is object oriented and human friendly in coding. In other hand, C is little bit complex while understanding and writing codes in comparison to Java. So, it is more understandable why Java has maintained its status as best programming language. Another example of such influence can be seen in case of python. Python is fresh programming language and its been in market for a while now. It has been gaining popularity since its release and now stands for one of the widely used programming languages. Python is a script-based language and due to its in built powerful libraries, things are easy to be done with python than with Java these days. This may have been one of the reasons for Python to taking over multi-platform code base system. As we all know, python framework has been recently introduced for web designing known as Django which might be able to take over the web-based programming languages such as Php and JS.

Another reason for this can be the influence of technology evolution. Technologies have been getting more and more advance with time. Tv’s and phones are getting thinner and smatter, wireless technology has been scaling up and lot more. In such circumstances depending on situations different languages are demanded. For example, if there is anything related with web-based programming the most useful one is Js or Php. We can use other programming languages, but they are not just built for the task. Thus, demand over time changes for programming languages and so does the TIOBE index.

Bibliography

[1] “TIOBE Index.” Wikipedia, Wikimedia Foundation, 26 Nov. 2018, en.wikipedia.org/wiki/TIOBE\_index.

[2] Hua, Hua, director. YouTube. YouTube, YouTube, 8 Aug. 2018,

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