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# Python: The Most Advanced Programming Language for Computer Science Applications

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**Abstract:** *In last few years, there has been an advancement in programming languages due to different libraries that are introduced. All the developers in this modern era prefer programming language that provides a built-in module/library which can make their work easy. This paper describes the advancement of one such language "Python" and it's increasing popularity through different statistical data and graphs. In this paper, we explore all the built-in libraries for all different computer science domains such as Data Science, Machine Learning, Image Processing, Deep Learning, Natural Language Processing, Data Visualization, Cloud Computing, Speech recognition, etc. We have also included Memory management in Python. Different frameworks for Python which can make the front-end work easier are also mentioned*

**Keywords:** Python, Python libraries, Memory allocation, Data Structure, Framework

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**[5].** Python: The Most Advanced Programming Language for Computer Science Applications Akshit J. Dhruv, Reema Patel and Nishant Doshi Computer Science and Engineering, Pandit Deendayal Petroleum University, Gandhinagar, Gujarat