

## **What are the features of python ?**

Python is known for its simplicity and readability which makes it easy to learn and use. It is a high level and interpreted language so programs run directly without needing compilation. Python supports different programming styles such as procedural, object oriented and functional programming. It comes with a rich standard library that provides many built in modules for tasks like math operations, file handling and networking. The language is platform independent which means the same code can run on Windows, macOS and Linux without changes. Python has a large community and thousands of external libraries that help in data analysis, machine learning, web development and automation. It also manages memory automatically so programmers do not need to worry about memory allocation. These features make Python a powerful and flexible language suitable for beginners as well as professionals.