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Python . -> Pros of

Python is easy to learn, read and write bcz of its simple of clean syntax. It offers a large standard library & many third party modules. that support various domains like AI machine rearning, & web development . Being cross - platform & open-source, it can run on multiple operating systems without modification python ouso has gerong community support, requent updates, & houps încrease developer productivity by requiring wing fewer lines of code.

cons of python:

new water Pythons execution speed is slower compared to compiled languages like C++ for Java. It consumes memory, making it less suitable for resource modulation capable and eliablical establica

Timited system's . It's generally not preferred for mobile app or game development. Additionally, since python is dynamically typed, errors can occur at runtime if variables are not handled properly.

- a) History of Python?
- Python was created by quido van Rossum in the late 1980s at late CMI (centrum wishande of Information in the netherlands of was officially released in 1991. The language was named after the British comedy shows "monty python's flying Circus". Quido almed to design a language that was simple, readable of powerful, focusing on code clarity of productivity. Python 100 (1994) introduced core reatures like data types of functions, python 200 (2000) added garbage collection of unicode support, of python 300 (2005) modernized the language with major improvements.

 Python has three moun implementations:
 - CPython → The default & most widely used implementation, of python, written in c used to execute python code efficiently.
 - Jython > A version of python that rung on the Java
 platform, allowing seamless integration with Java librois.
 - ItonPython>An implementation for the NET framework, enabling interaction with NET languages like C# and VB.