- 1) What are the Pros and cons of python?
- A) Pros (Advantages):-
 - 1) Easy to Learn and Read: Python uses simple English.

 like syntax, making it beginner-friendly.

abusilour o parol and mayor authorized o arroad in

- 2) Cross-Platform and open source: works on windows, macos, Linux, etc. completely free and open source.
 - 3) Large standard Library: Includes Modules for file handling, regular expressions, web servers, databases, etc. onl reduces the need to write extracode.

- 4) Extensive community support: Huge online commo nity for learning, trouble shooting, and collaboration.
- 5) supposts multiple paradigms: object-oxiented, Proceduros, and Functional Programming Styles.
- 6) Excellent for AI, Data Schence, and web Developme. nt: Libraries like Numpy, pandas, tensorFlow, Django, Flask make it versatile.
- 7) Dynamic Typing: No need to declare variable types explicitly; python figures it out.

Cons (Disadvontages):-

- 1) Slower Execution speed
- 2) High memory usage
- 3) weak in mobile be velopment
- 4) Rutime Exxoxsi
- 5) NOt ideal for Low-Level Programming.
- 2) History of Python?

A) Late 1980s: Guido Van Rossum, a putch programmer, Started developing Python at CWI (centrum Wisk unde & Informatica) in the Nertherlang.

1989 (December): Gruido began working on Python as a hobby Project to create a better scripting g language than ABC.

python 0.9.0 was released - included exceptions, functions, and the core data types (Str, list, d'ict).

: Python 1.0 released -introduced modules 1994 e occeptions, and functions.

: python 2.0 released - introduced garbage collection and unicode support. 5000

: python 3.0 released - redesigned for better readability and removed legacy 2008 issues (not backward compatible with

Scanned with OKEN Scanner

in Python 2) during Burner

2020 : Python 2 officially retired (end of life on

version, widery used in AI, data science, web, and outomation.