30/11/2025   DAY-2

1. what are the pros and cons of python ?

   Pros:-
   * easy to learn and read
   * large libraries and community support
   * cross-platform and versatile (used in AI, web, automation)
   * Fast development speed.

   Cons
   * Slower than compiled languages
   * High Memory usage.
   * Not great for mobile apps.
   * GIL limits - Multi-threading.

2. History of python ?

year	Version	KeyHighlights.
1989	conception	Guido starts developing python
1991	0.9.0	First public release
1994	1.0	functional programming features
2000	2.0	unicode, garbage collection
2008	3.0	Major redesign (unicode by default)
2020	EoL for 2.x	python 2 officially retired.
2024 - 2025	3.12 / 3.13	speed, typing and async improvements.