

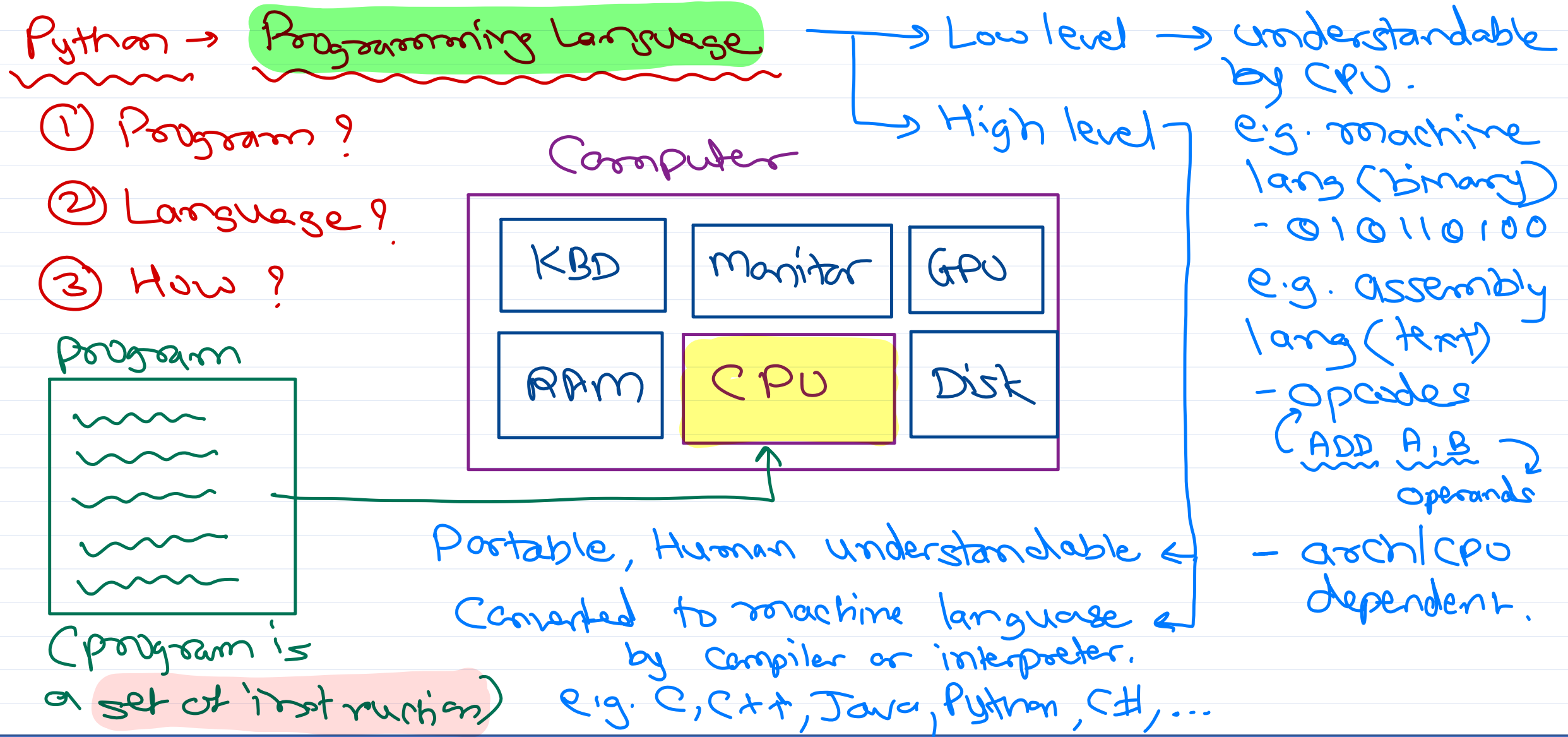


Python Programming @ Sunbeam Infotech

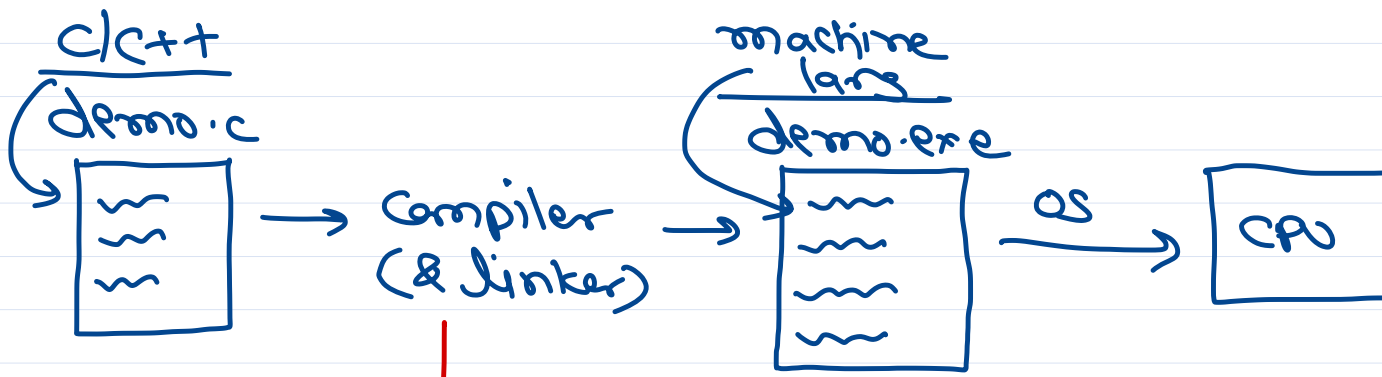
Trainer: Nilesh Ghule



Low level vs High level programming language

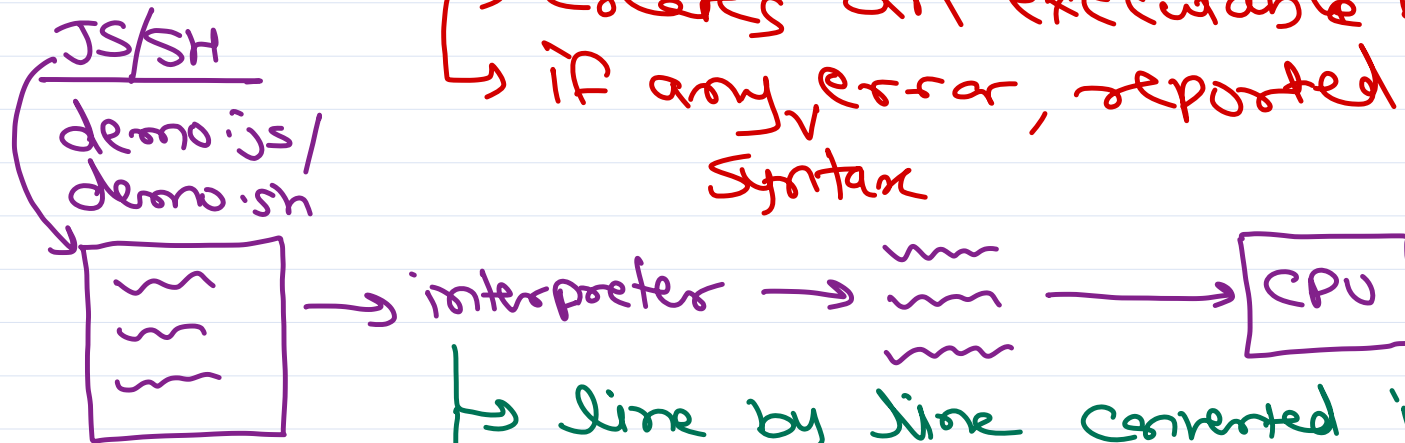


Compiled language vs Interpreted language



- * Faster execution
- * Compiled languages
 - ↳ Harder than scripting

- ↳ whole program converted to low level lang
 - ↳ creates an executable file → executed on CPU.
 - ↳ if any error, reported during compilation (not exec)
- Syntax



- * Slower execution
- * Scripting languages - Easier

- ↳ line by line converted into machine lang & executed.
- ↳ no separate executable created.
- ↳ if any syntax error, reported while executing that line.



Python language features

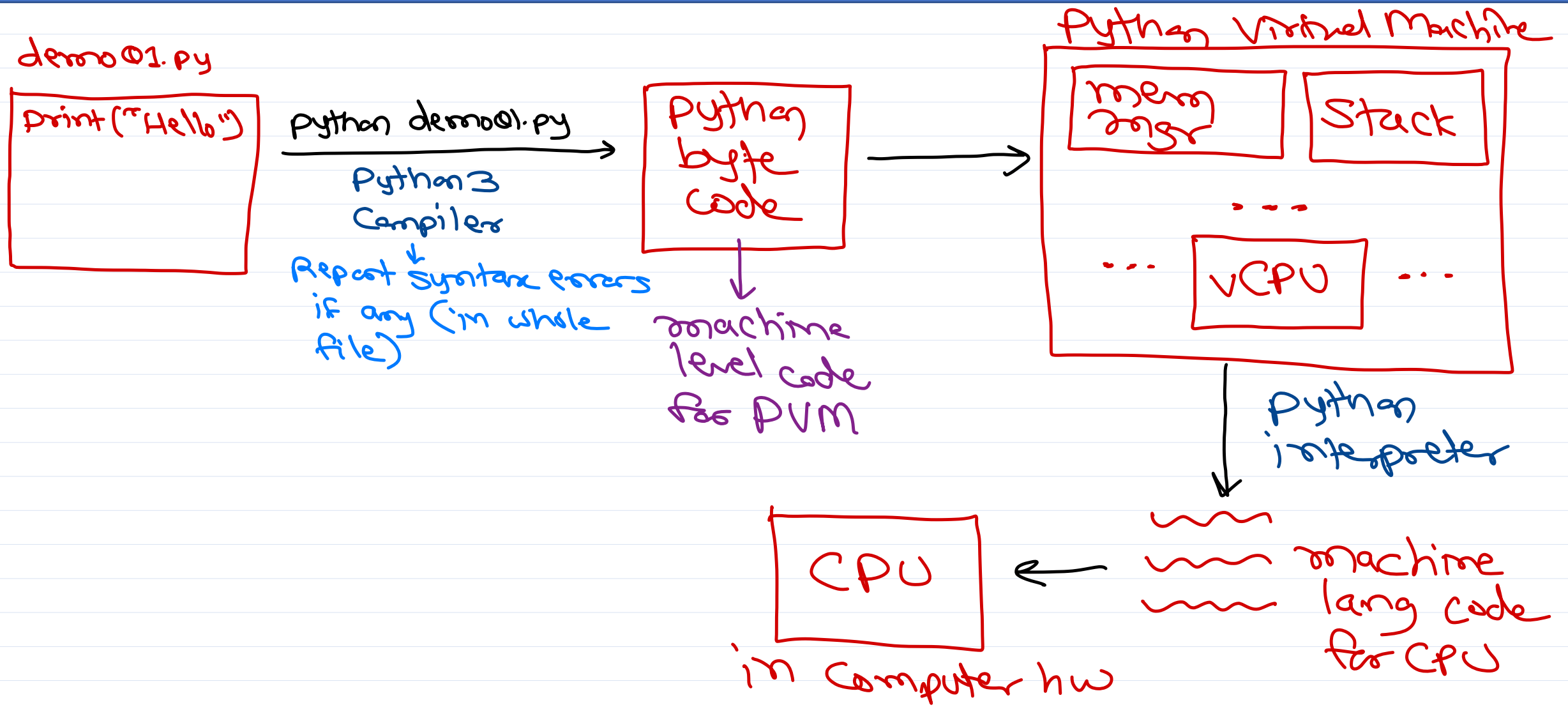
* Mixed = Compiled + Interpreted
e.g. Python, Java, ...

Python language

- ① General-purpose
- ② Scripting lang
- ③ Procedure oriented lang
- ④ Object oriented lang
- ⑤ Functional programming
- ⑥ Aspect oriented programming
- ⑦ Dynamic typing
- ⑧ Garbage collection
- ⑨ Free & open source
- ⑩ Compiled + Interpreted (PSF)
- ⑪ many implementations



Python program execution





Thank you!

Nilesh Ghule <nilesh@sunbeaminfo.com>

