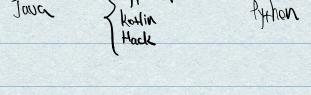
Domain - Specific Lauguage · Parsing, grammers, cade genomethon and optimization · principle to allow you sett-shoot constitut constitut DSC: offers corestauces tailored to a domain. * SQL: relations and query experssions Flower of DSL: -> May Look like as compiled Language: SQL -> May Lark like a library: RAJS -) May Look like a lybrich: Hadoop. Problem addressed by recent language 1- Memosy management (GC Instead of mulloc / force) 2. Speech -> maintainablility 3. availability of JUM/ LLUM. 4. New usons J. horelwores 6. + | pe Sata). =) Before: Can get one of 3 4 beargaen A



-> How to implement a PL.

1) Abstract Syntax Tree. (AST)

regular expression:

alt

seq seq unpursing

d *

e

=> Regex: (ac|dex)+

Why a tree: defines order of evaluation.

Why no powers in the AST: -. A

2) The frontend.

Converts the syntax to AST by Passing or embedding

· Possing: (ab *) *

'Embedding: DE. motch('a'). then('b')...

3 Backerd: Evaluates the AST (interpret / gm)

