Summary:
- Mathematically structured programming
- Types types types
- Think about interfaces / tP
Reducible expressions
data Tree a = Leaf Node (Tree a) a (Tree a)
tree = Leat
tree1 = Note heat I heat

ree1 = North heat 1 heat

sum :: Num a => Tree a >> a

sum Leat == 0

sum (North 1 x r) = x + (sum l)

+ (sum r

[1, 2, (sum tree2)]

Cryphographie libraries 3 Ata writter in C. => unt catal on executi. memory unsafe. in type syrhu is weed. New cryph shift => Rust. اث د: fd=fopen(...); read (fd, 1, & asay); for = malloc (array, ...) false (td); Rich type extremende: that this error is illegal at compile the. sessiai types or "typestate pottor".

Exam: -> look at part papers. this year: open bosh. -> No bookwork queshis. > Short programming queshis. "unte sue cole to de x". 4 questis: (2 (mostly) Hadell 2 (-) Java) 60 menhs in khul (2 gnærhis)
> progominis era-ples end 20 - explu this? 40 mohs' (each 20 mals) -, more u short essay Synthesis of ideas / concepts
There D ~ It roully exist is put papers. -> So model paper will have are of Mese, explando

Paper i nominially 2hrs.

This year you get 24hr

peroil to do t.