proposed?

| l | NT | ROD | UCIT | MOI |
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| | ·wh | at | ic | a | Day | n ? |
|---|-----|----|----|---|-----|-----|
| 1 | | | | | 10 | _ |

- e what is a pl?
- · how does a pam run? _ abstract models of computing mic
- · how is a PL designed?

universal turing machine what alan turing

enput universal ans

what is the meaning of a program?

schemelang & RACKET

reading assignments

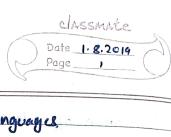
Office hours (GERC) mode streyas ghosel @r.

3:30 Q1 mid Q2 and + assignments

racketlang.org - guide: ((reading)) emacs - org mode 1. programs are expressions. that may be represented as trees. 3+4 pgm -> parsen -> AsT Concrete Syntax abstract syntax tree CAST) metal extraction - milling - product +34 - easiest Prefix borm 2. programs are evaluated by simplifying expressions. design aesthetics (3+ (4x5))

functional programming

literate programming "essay" and inside code



INTRODUCTION

EOPL essentials of programming languages briedman wand.

DATATYPES

hunction:

-procedure

Clambda (x) (* x2))

- table

H+DP how to design programs

FUNCTIONAL PROGRAMMING

21,23 + 21,53

tags -> { Cred, 1), Cred, 2), Colve, 1), (blue, 5) }

- PRODUCTS

bellien, fundler, blatt, Knishnamurtt.

course objectives Malp (1-3) step.

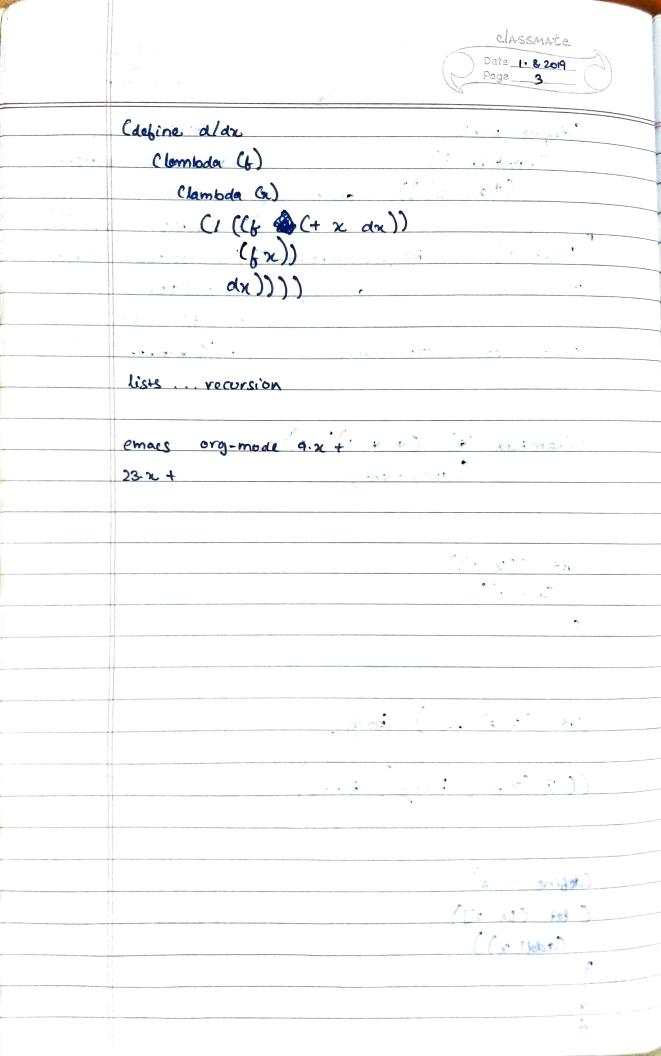
AKB python tuples.

the racket guide (1-5) loopl (1)

programming languages: application and interpretation,

- DETOINT UNIONS A+B = Ered &xA & & Ebburg XB

| | 22 30 3 1 | classmate |
|---|-------------------------------|---------------------|
| | લાગુલ્લ -) | Date 1.8.2019 |
| | | Page 2 R + MOBILE |
| | Colefine add 2 | TOPICS |
| | Clambda (x) | O ABSTRACT SYNTAN |
| | (* * x 2))) object | SCOPE Tidentifiers |
| | | 2. STATE (A memory |
| | (add 2 5) legue programming a | DYPO. |
| | 10 concurrent | 4, TYPES |
| | | of the change |
| | * is also a #procedures | genoval purpose. |
| | , | Moreovery 1881 |
| | | |
| | ((lambda (*) (+ * 1)) | S Warrens Carret. |
| | Clocal identifier. | F-5-21 |
| | | |
| | | |
| | (let ((x 5)) | |
| | (+ x 1)) | |
| | 6 | |
| - | | |
| | | |
| | (let ((xe)) body) | |
| | | |
| | ((n (x) body) e |) |
| | | |
| | | |
| | (define n 6) | |
| | Clet (Cx 27) | |
| | (add x)) | |
| | 3 | |
| | 7 -6 | |
| | 7 | |



| EMAGS ORG MODE |
|--|
| Literate programming |
| instead of comment - narrative |
| provide the first transfer of the section of the se |
| #+ BEGIN_SRC python : tangle func.py |
| det function (n): expandable for code highlighting |
| expandable for code highlighting |
| #+ END_SRC Urel-cvt |
| possible to tangle code blocks |
| in desired order using named blocks. |
| |
| |
| |
| |
| |
| |
| |
| |

((()))

where L = (200 (+1 20

19 4, 1