CPSC 110 lecture 1 notes

Computation Programs And Programming (The University of British Columbia)

CPSC 110

<u>functions</u>

search: racket.bsl.sqr for questions

> 💡 *; make a new place-ball fuction*
> ; change some render-ball to work on place-ball
>
> ; add space (delete-ball)
> ; change mouse (add-ball)
> *;*
> *make ListOfBalls 1*

; → comments

to do simple math:

- (* 3 4) → 3∗4

- (+ 2 3 4) → 2+3+4

- 4∗3^2+5 → (- (* 4 (sqr 3)) 5)

- (/ (+ 4 6.2 -12) 3) → (4+6.2+(-12))/3

- (/3 (+ 4 6.2 -12)) → 3/(4+6.2+(-12))

sqr = square; sqrt = square root

- not testing those functions

go to the lecture page → do the before and after stuff

look around the links!!!!!!!!

do pre-lecture work

drracket settings

upper section → interations area (input)

- things in there called "experssions"

lower section → definition area (output)

- things in there called "values"

find the region with the cheapest avocados and then produce a plot of the total number of avocados sold against the average price per avocado **(in US dollars)** for that region