

What is r0b0p?

i

A Language for Robots

ii

Why?

iii

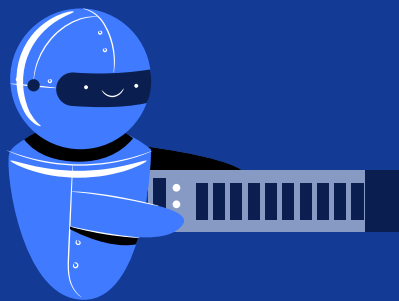
Dynamically Typed

iv

b33p b00p b0p

01

SAMPLE CODE





```
PROGRAM collatz_steps[n] <
  steps = 0;
  WHILE3[NOT (n == 1)] <
    PR3SUM1NG[n % 2 == 0] <
      n = n / 2;
    > 3LS3 <
      n = (3 * n) + 1;
    >
    steps = steps + 1;
  >
  GLV3 steps;
>
```





```
bananas = 3;  
  
SP3AK["I have 'bananas' bananas"];  
  
QUOTE = "Hello, world!"  
  
SP3AK["She said \"'QUOTE'\""];
```



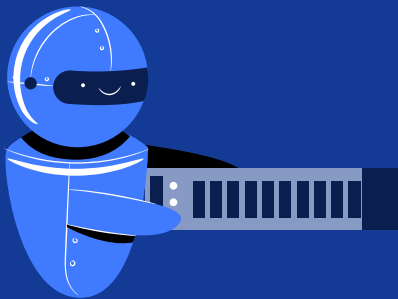


```
PROGRAM triple_averages[arr] <
  averages = {};
  arr_length = S1Z3[arr];
  COUNT[i:0->arr_length - 2] <
    ave = (R3TR13V3_AT[arr, i] +
           R3TR13V3_AT[arr, i + 1] +
           R3TR13V3_AT[arr, i + 2]) / 3;
    PLAC3_AT[averages, i, ave];
  >
  G1V3 averages;
>
```



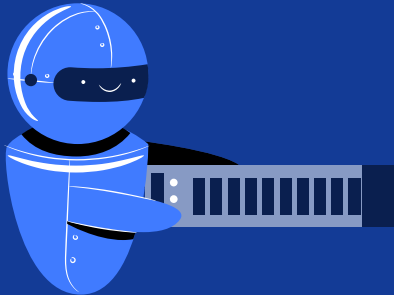
02

Challenges & Lessons Learned

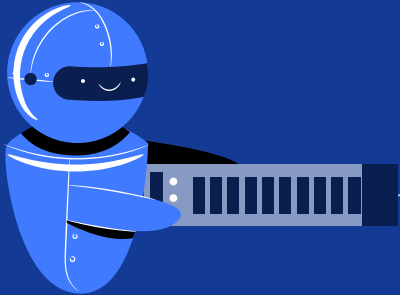


Challenges

- Dynamically typed?????
 - What does this MEAN
- Planning ahead
 - Thinking out the grammar
- Thinking like a ROBOT



- What “dynamically typed” *means*
- How to effectively split up work, and balance working separately vs working together (on Zoom!)
- How to use Google to look up robotic synonyms



Lessons Learned

us: types 'npm t' instead of npm test

npm: works

us:



Thanks!



Dr. Toal

For helping us
make r0b0p and
learn a ton!

The Casper Team

For unknowingly
providing
inspiration when we
had NO CLUE what to
do at times

Questions?

