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Kennesaw State University

Department of Computer Science

CS 4308 Concepts of Programming Language Section W01

CPL Project- 2nd Deliverable

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Initial Problem Statement

We will translate the code we used for Java into the equivalent in Python to be able to handle the test statements.

Summary and Purpose

The assignment given to us was to write an interpreter to interpret from Julia to Python. It should be able to parse the code and detect errors.

Description of solution

We figured the best way to do this project was to translate our Java project into Python. Since we didn’t know python very well, this involved looking up a lot about python syntax, including for loops, inheritance, and enumerated types. Using “self” was also necessary very often. Syntax, equality, and formatting were also quite important.

List of Results

test1.txt

Program Started

5

Ended

test2.txt

Program Started

3

Ended

test3.txt

Program Started

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

89

Ended

test4.txt

Program Started

3

333

5

Ended

Comments and Conclusion

This project taught us how different Python is from Java and how to use it better. It also gave us a better understanding of Julia and interpreting between different languages.

References

<https://docs.python.org/2/c-api/index.html>

<https://stackoverflow.com/>