

CSC402 - Assignment #3

Due Sunday 10/8

Version 4.0

Problems:

1. Copy the files `exp1_lex.py`, `exp1_lrinterp_gram.py`, and `exp1_lrinterp.py` from the code folder and extend them in such a way that all arithmetic operators are supported. Then attach rules to the productions that allow for syntax directed interpretation of the new operators:
2. Your interpreter should produce results to the terminal output similar to the interpreter discussed in class. In particular, your interpreter should produce correct results for these two programs:

```
store x 1;  
store y 2;  
print (+ x (- y 2));
```

and

```
store x 2;  
store y 3;  
print (+ x (* y 2));
```

Hand in your source code together with a Jupyter Notebook that shows that your program works. To submit your work create a zip file of your sources and the notebook and submit it through Sakai. Assignments submitted in formats other than Jupyter Notebooks will not be graded and a failing grade will be recorded.