

CSE-210A

HOMEWORK 2 REPORT

Interpreter for the WHILE language

Submitted By:

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Details of arith.py:

Language Used	Python 3.7.6, Pyinstaller 3.6
Data structure for AST	Tree
Extra features added	Arrays
Custom test cases	tests/custom.bats

Execution of Custom + Provided Test Cases:

```
hw2 — -bash — 115x60
(base) RASHMIs-MacBook-Pro:hw2 rashmichennagiri$ ./test.sh
rm -fr build/
rm -fr dist/
rm -fr .eggs/
find . -name '*.egg-info' -exec rm -fr {} +
find . -name '*.egg' -exec rm -f {} +
find . -name '*.pyc' -exec rm -f {} +
find . -name '*.pyo' -exec rm -f {} +
find . -name '*~' -exec rm -f {} +
find . -name '__pycache__' -exec rm -fr {} +
rm -fr .tox/
rm -f .coverage
rm -fr htmlcov/
python while.py install
while false do x := 1 ; y := 1
{y → 1}
skip
{}
✓ custom-1
✓ custom-2
✓ custom-3
✓ custom-4
✓ custom-5
✓ easy-1
✓ easy-2
✓ easy-3
✓ easy-4
✓ easy-5
✓ easy-6
✓ easy-7
✓ easy-8
✓ easy-9
```

```
✓ easy-7
✓ easy-10
✓ easy-11
✓ easy-12
✓ easy-13
✓ easy-14
✓ easy-15
✓ easy-16
✓ easy-17
✓ easy-18
✓ hard-1
✓ hard-2
✓ hard-3
✓ hard-4
✓ hard-5
✓ hard-6
✓ hard-7
✓ hard-8
✓ hard-9
✓ hard-10
✓ hard-11
✓ hard-12
✓ hard-13
✓ hard-14
✓ hard-15
✓ hard-16
✓ hard-17
✓ hard-18
✓ medium-1
```

```
✓ medium-2
✓ medium-3
✓ medium-4
✓ medium-5
✓ medium-6
✓ medium-7
✓ medium-8
✓ medium-9
✓ medium-10
✓ medium-11
✓ medium-12
✓ medium-13
✓ medium-14
✓ medium-15
```

56 tests, 0 failures

(base) RASHMIs-MacBook-Pro:hw2 rashmichennagiri\$