

CS456 Programming Languages Assignment 1

ImpCore

In this assignment you will learn more about operational semantics and the ImpCore interpreter. This is a warmup assignment. The highest possible grade is 10 points. Any points obtained on the optional question can be applied either towards the grade of one your assignment or to the final (10pt on an assignment = 1pt on the final).

1. Question 8 [KRC] (2pt)
2. Question 9 [KRC] (2pt)
3. Question 11 [KRC] (2pt)
4. Question 16 [KRC] (2pt)
5. Question 19 [KRC] (2pt)

Please write clearly. Be careful to include your name, student ID, along with the answers to the questions. Remember readability counts! (For the braves: you may format your answers using the $\text{\LaTeX}2\epsilon$ macro package and submit the .dvi file containing your answer.)

For questions 16 and 19 submit one tar file (named a2.tar) containing two directories, named 16 and 19 with in each all the sources and the Makefile needed to build the interpreter. This part of the assignment will be tested automatically by a tool that will do the following:

```
cd 16
make -f Makefile
impcore -q < ../../test1 > ../../r1
...
impcore -q < ../../testn > ../../rn
cd ..
cd 19
make -f Makefile
impcore -q < ../../test1 > ../../r1
...
impcore -q < ../../testn > ../../rn
cd ..
```