National University of Singapore School of Computing CS1101S: Programming Methodology Semester I, 2021/2022

S12-in-class

Problems:

1. Compare the Source Academy and the MCE with respect to their behaviour when evaluating the following program: ζ_{torus} :

```
const x=y; const y=42; const z="***"+x+"***"; which the const z="***"+x+"***";
```

Explain the behaviour of the MCE. Modify the evaluator MCE 5 of Brief B11 such that it behaves like the Source Academy with respect to the situation exemplified in the program.