

# Quiz

## CSC301 Algorithms and Data Structures

17 March 2015

1. FORTRAN was the first high-level language. FORTRAN is as old as which object in our classroom?
2. In what way was the mention of FORTRAN relevant to the dynamic connectivity problem?
3. Which three qualities must a relation possess to be an equivalence relation?
4. In a word or two, describe these Linux commands:
  - cd
  - cp
  - ls
  - mv
  - pwd
  - rm
5. My favorite definition of computer science includes four questions. To which of the four questions does each of the following words correspond?
  - Computability
  - Complexity
  - Correctness
6. What do the following Linux commands accomplish?

```
javac uf/UF.java
java uf.UF < tinyUF.txt
```
7. Describe the format of the data files that we are using in our union-find experiments.