COMP1112 Mid-Term:

# Guidelines

1. **At the top of each file, put you name and student number**
2. Follow all coding conventions discussed in class
3. Do not copy code from anywhere or anyone
4. You may use any tools at your disposal that do not write code for you, including IDEs and textbooks
5. Be ready to explain your code in an oral review
6. You will have 2 hours to complete the exam

# Exam

### **Part 1:** Code comments (A: 4 points, B: 6 points)

For the files “Part1\_A.py” and “Part1\_B.py” complete the following:

1. Comment each line of code, explaining what it does.
2. At the top of the code leave a multiline comment describing the general purpose of the script.

### **Part 2:** Debugging (A: 5 points, B: 5 points)

The scripts “Part2\_A.py” and “Part2\_B.py” have errors that stop them from running. Fix the scripts according to the comments at the top of each file.

### **Part 3:** Script Writing (10 points)

Create a Python script named “Part3.py” that satisfies the following:

Write a function called “capIndex”. The function should have a single argument, which we can expect to be a string (don’t worry about invalid inputs). The function should return a list of the indexes in the string that have a capital letter.

**Ex:** calling capIndex(“HeLlO cLaSs”) should return [0, 2, 4, 7, 9]

Make sure you leave descriptive comments that explain the entire script.

# Submission Guidelines

Please submit 5 Python files to Blackboard:

* Commented versions of **Part1\_A.py** and **Part1\_B.py**
* Fixed versions of **Part2\_A.py** and **Part2\_B.py**
* Your completed script, **Part3.py**