

Name:

Student ID:

219114/115 Programming I

## Midterm Examination

*2 October 2019*

## Instruction

- Download file L1.py, L2.py, L3.py, and L4.py from Google Classroom for the course
- Run:

```
python3 -m doctest L1.py
python3 -m doctest L2.py
python3 -m doctest L3.py
python3 -m doctest L4.py
```

- You will discover that all cases fail as there is no implementation to any of the functions in the file.
- Fill in the appropriate code for the functions starting from those in level 1 up to those in level 4. You may jump up and down between levels; it is not necessary to do the exam in level order.
- After you are done, run:

```
python3 -m doctest L1.py
python3 -m doctest L2.py
python3 -m doctest L3.py
python3 -m doctest L4.py
```

If there are no errors being reported, you are done!

## Important:

**\* Do not modify the Doctest; your answer will not be graded if you do so. \***