

FIT2107

Week 11 Tutorial Sheet

Questions - to be tackled in groups of 3-4 students.

The questions refer to the source code "tape.py", which is a class to represent a tape in a Turing Machine.

Question 1

Calculate the Halstead Metrics and McCabe complexity for the methods in the class.

Question 2

Calculate (manually) the Microsoft maintainability index for this class, based on your answers to question 1.

Question 3

How long (according to Halstead's formulas) will this class take to write? Do you think this is realistic?

Question 4

Microsoft's version of the maintainability index does not take into account comment lines. Do you think this will make their maintainability index more or less accurate? Why?