

COMP101 Lab 3: Implementing Swimming Pool and Cost of Fuel

Not Marked, Not Assessed

Requirements. In the lectures we considered the analysis and design for two problems the *Swimming Pool* and the *Average Cost of Fuel*. Your task is to implement (and test) both of these. Please note that this should not be submitted and it is not assessed. However you may discuss your implementation with your lab tutor.

1. **Swimming Pool** Write a program to input the length, width and depth of a rectangular swimming pool of uniform depth and calculate the time it takes to fill it. Assume the rate of flow of water into the pool is 50 litres per minute and that 1 cubic metre has a capacity of 1,000 litres of water.
2. **Average Price of Fuel Consumption** Write a program to input the cost of fuel put in the car each day of the (working) week, then compute the total cost and the average cost, and display the results of the two computations.