

Computing for Animation (CA2)

workshop 1

Write a program that manages a toll bridge. Assuming that toll price are £2 for a motorbike, £5 for a car and £10 for a lorry. You should record the number of passengers in the cars and the weigh of goods on the lorries .

The user should be able to add vehicles to the queue, check the number of cars, motorbikes and lorries in the queue; check the total income and so on. You are not required to use any STL container, and for simplicity, you can assume that the bridge has a room for 10 vehicles only.

The text main menu should look like this

```
Vehicles in the Queue: 5
Number of cars : 2
Number of lorries : 3
Number of motorbikes : 3
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1. Add a car to Queue
2. Add a lorry to Queue
3. Add a motorbikes to Queue
4. Get next vehicle
4. show Traffic Queue
5. show total income
6. Quit

What to do?