

# Assignment 1 marking scheme outline

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## Part 1 (3 marks)

- `parseInput` passes test cases (2)
- `printQueues` passes test cases (1)

## Part 2 (7 marks)

- `printTransactions` passes test cases (1)
- Small simple exchange cases (i.e., non-match, full-match) conform to specification (1)
- Small complex exchange cases (i.e., partial match) conform to specification (2)
- Large exchange cases requiring multiple passes conform to specification (3)

## Part 3 (5 marks)

- Performance assessment accurately represents performance over a range of conditions (1)
- Appropriately justified choice of data structures (2)
- Discussion of advantage and disadvantages of choices is considered and accurate (2)

## Part 4 (5 marks)

- Correct implementation of `ImprovedArrayQueue` (2)
- Accurate and thorough performance assessment of the differences (3)