Assignment 1 output screenshot

```
PS C:\jiang\CodingChallengeSolution\AssignmentSolution_1> java -cp bin App
1) Read customer data from CSV
   Loaded rows = 99457

2) Population grouped by gender
   Transactions: {Male=39975, Female=59482}
   Unique customers: {Male=39975, Female=59482}

3) Total sales grouped by gender
   Female -> $150,207,136.02
   Male -> $101,298,658.23

4) Most used payment method
   Cash

5) Day with the most sales
   2021-10-28 -> $534,906.86
PS C:\jiang\CodingChallengeSolution\AssignmentSolution_1>
```

Assignment 2 output screenshot

```
PS C:\jiang\CodingChallengeSolution\AssgimentSolution_2> java -cp bin App2
1) Source container created with data: [1, 2.5, 3, 4.75, 5, 6.25, 7, 8.5]
   Capacity: 8
2) Destination container created with capacity = 8
3) Queue created with capacity = 4
4) Producer and Consumer threads have finished execution.
5) Checking results...
   Source:      [1, 2.5, 3, 4.75, 5, 6.25, 7, 8.5]
   Destination: [1, 2.5, 3, 4.75, 5, 6.25, 7, 8.5]
   Equal: true
All checks passed : Producer/Consumer logic verified.
PS C:\jiang\CodingChallengeSolution\AssgimentSolution_2> java -ea -cp bin TestProducerConsumer
[OK] All tests passed.
PS C:\jiang\CodingChallengeSolution\AssgimentSolution_2>
```