

1) Assignment 1 Output:

```
● PS C:\Build Challenge- Pawan Aditya> python src/assignment_1.py
23:35:08 - [PRODUCER] Transferred Record-1 to Queue
23:35:08 - [CONSUMER] Stored Record-1 in Final Destination
23:35:08 - [PRODUCER] Transferred Record-2 to Queue
23:35:08 - [PRODUCER] Transferred Record-3 to Queue
23:35:08 - [CONSUMER] Stored Record-2 in Final Destination
23:35:08 - [PRODUCER] Transferred Record-4 to Queue
23:35:08 - [CONSUMER] Stored Record-3 in Final Destination
23:35:08 - [PRODUCER] Transferred Record-5 to Queue
23:35:09 - [PRODUCER] Transferred Record-6 to Queue
23:35:09 - [CONSUMER] Stored Record-4 in Final Destination
23:35:09 - [PRODUCER] Transferred Record-7 to Queue
23:35:09 - [PRODUCER] Transferred Record-8 to Queue
23:35:09 - [CONSUMER] Stored Record-5 in Final Destination
23:35:09 - [PRODUCER] Transferred Record-9 to Queue
23:35:09 - [PRODUCER] Transferred Record-10 to Queue
23:35:09 - [CONSUMER] Stored Record-6 in Final Destination
23:35:09 - [CONSUMER] Stored Record-7 in Final Destination
23:35:09 - [CONSUMER] Stored Record-8 in Final Destination
23:35:10 - [CONSUMER] Stored Record-9 in Final Destination
23:35:10 - [CONSUMER] Stored Record-10 in Final Destination
23:35:12 - Transfer Complete. Final Destination Count: 10
```

2) Assignment 2 Output:

```
● PS C:\Build Challenge- Pawan Aditya\src> python assignment_2.py
--- Analysis Results ---
Total Sales (Furniture): $2000.33
Average Profit (West Region): $23.9
```

3) Unit Test Result:

```
● PS C:\Build Challenge- Pawan Aditya> python -m unittest discover tests
00:19:07 - [PRODUCER] Transferred Item1 to Queue
00:19:07 - [CONSUMER] Stored Item1 in Final Destination
00:19:07 - [PRODUCER] Transferred Item2 to Queue
00:19:07 - [CONSUMER] Stored Item2 in Final Destination
00:19:07 - [PRODUCER] Transferred Item3 to Queue
00:19:07 - [PRODUCER] Transferred Item4 to Queue
00:19:07 - [CONSUMER] Stored Item3 in Final Destination
00:19:07 - [PRODUCER] Transferred Item5 to Queue
00:19:07 - [CONSUMER] Stored Item4 in Final Destination
00:19:08 - [CONSUMER] Stored Item5 in Final Destination
00:19:10 - Transfer Complete. Final Destination Count: 5
...
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Ran 3 tests in 3.041s

OK
○ PS C:\Build Challenge- Pawan Aditya>
```