9/14/2024

**Uzair Ali Memon S/O Yar Muhammad Memon**

**B-S CS III Section A**

**023-23-0350**

**To: Ma’am Marina Rajpoot**

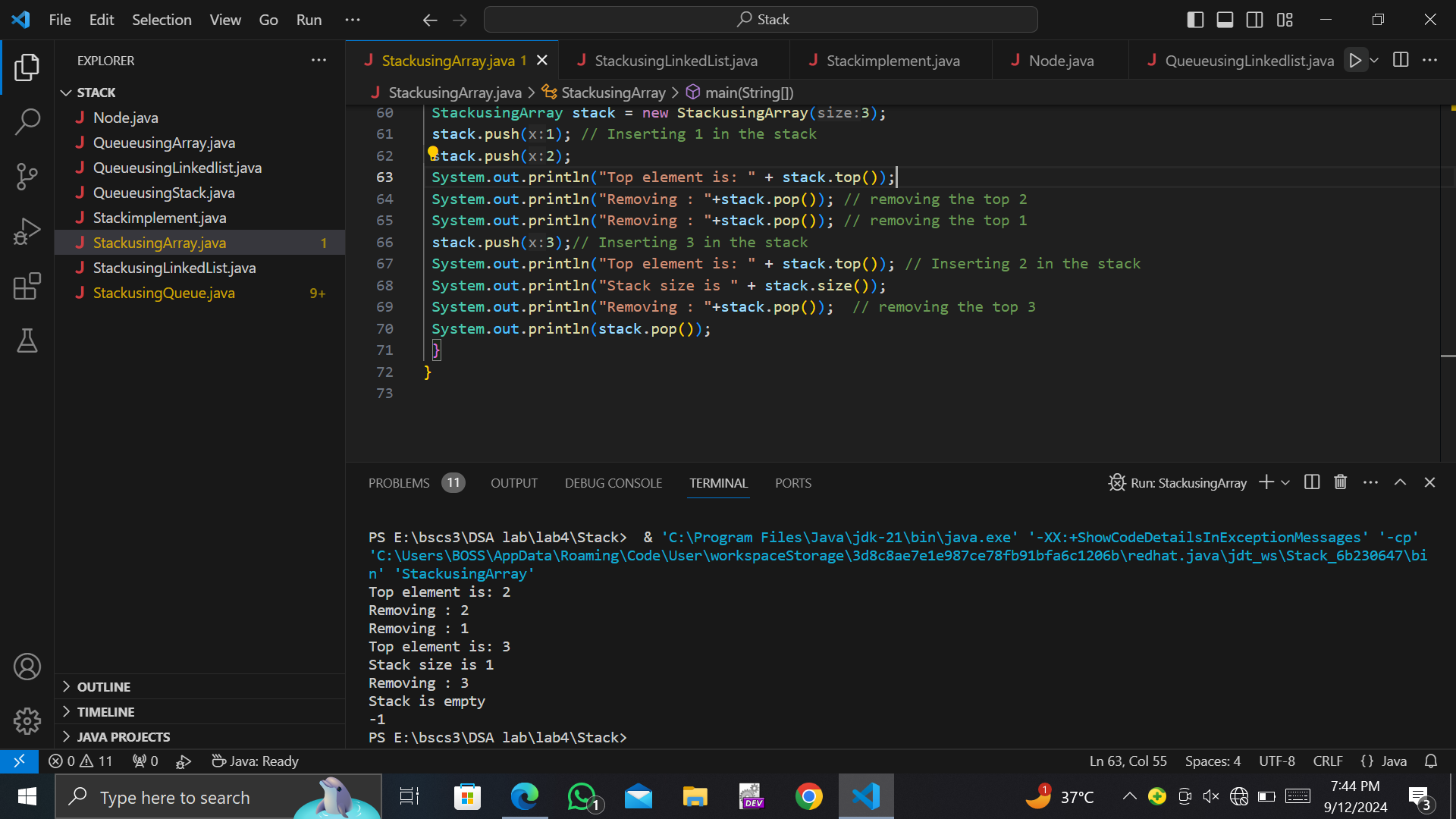
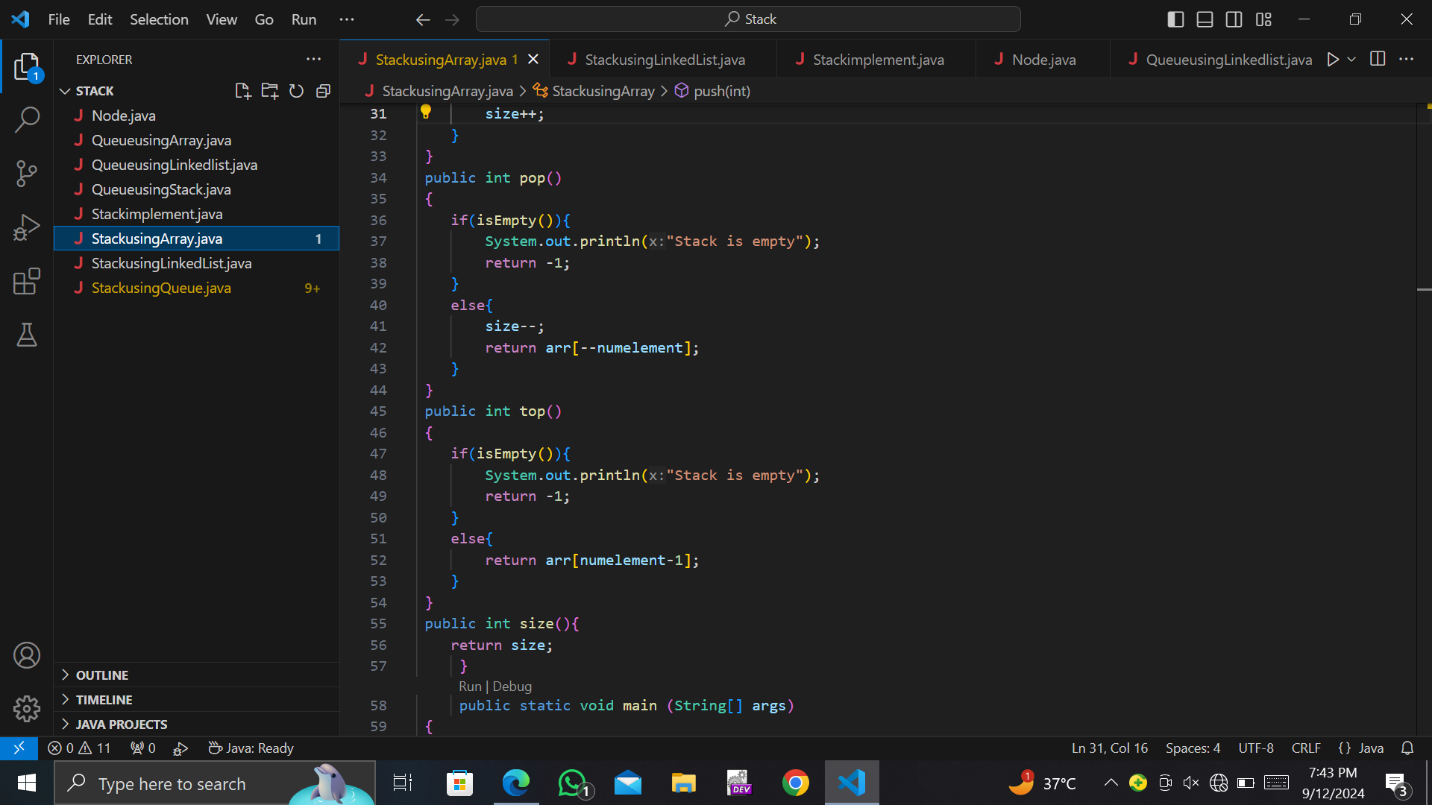
Data Structures

Lab 4 exercise solutions

**Task #1**

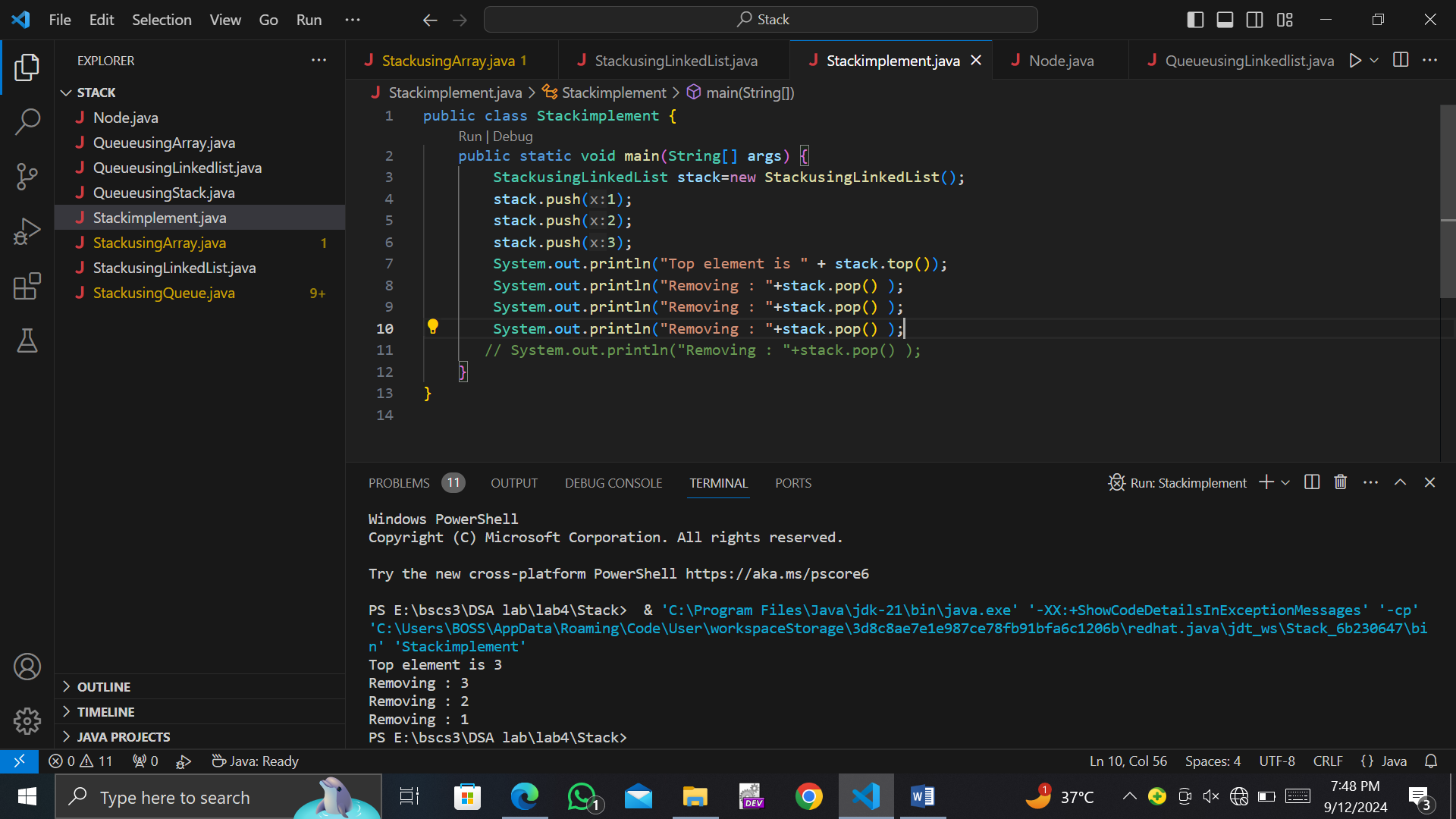
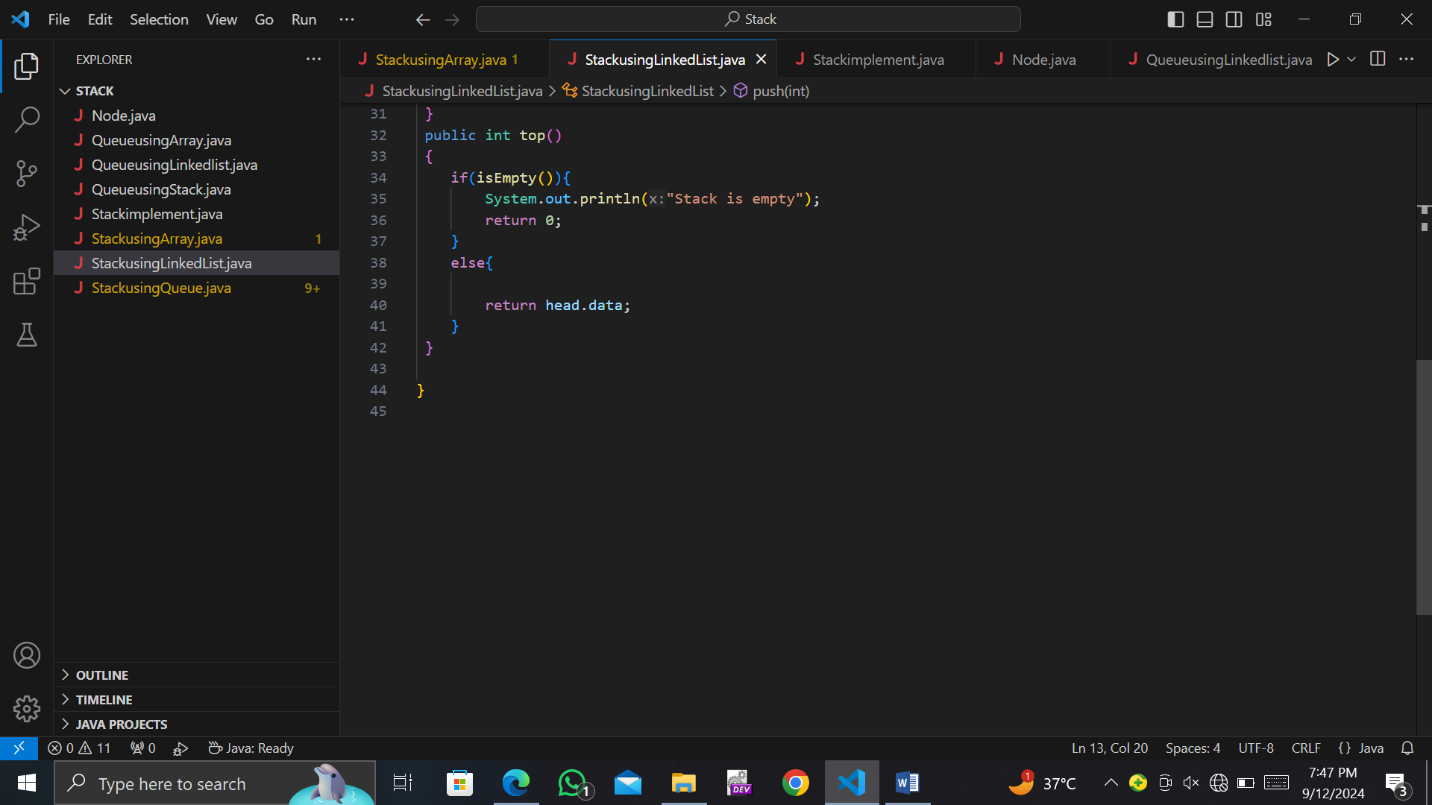
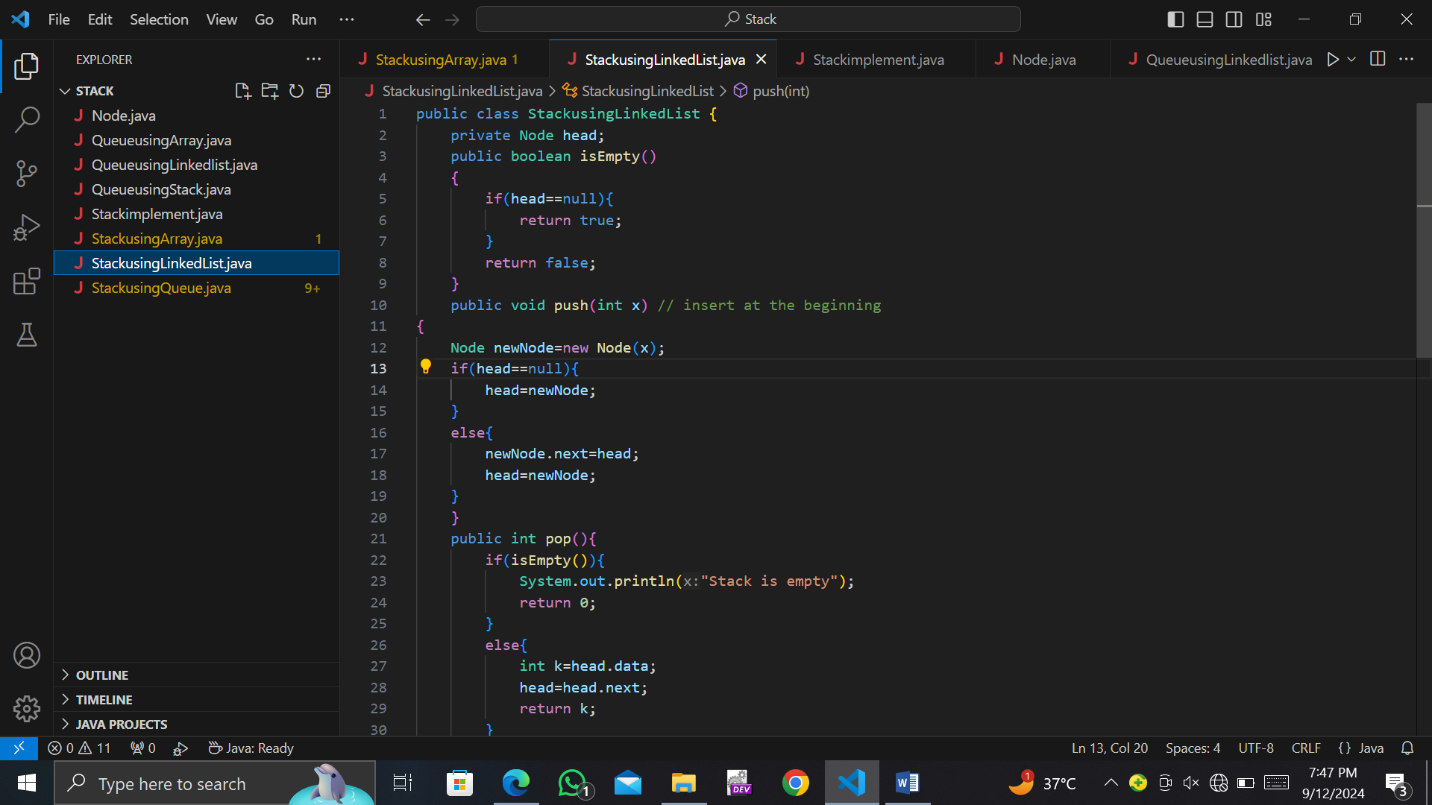
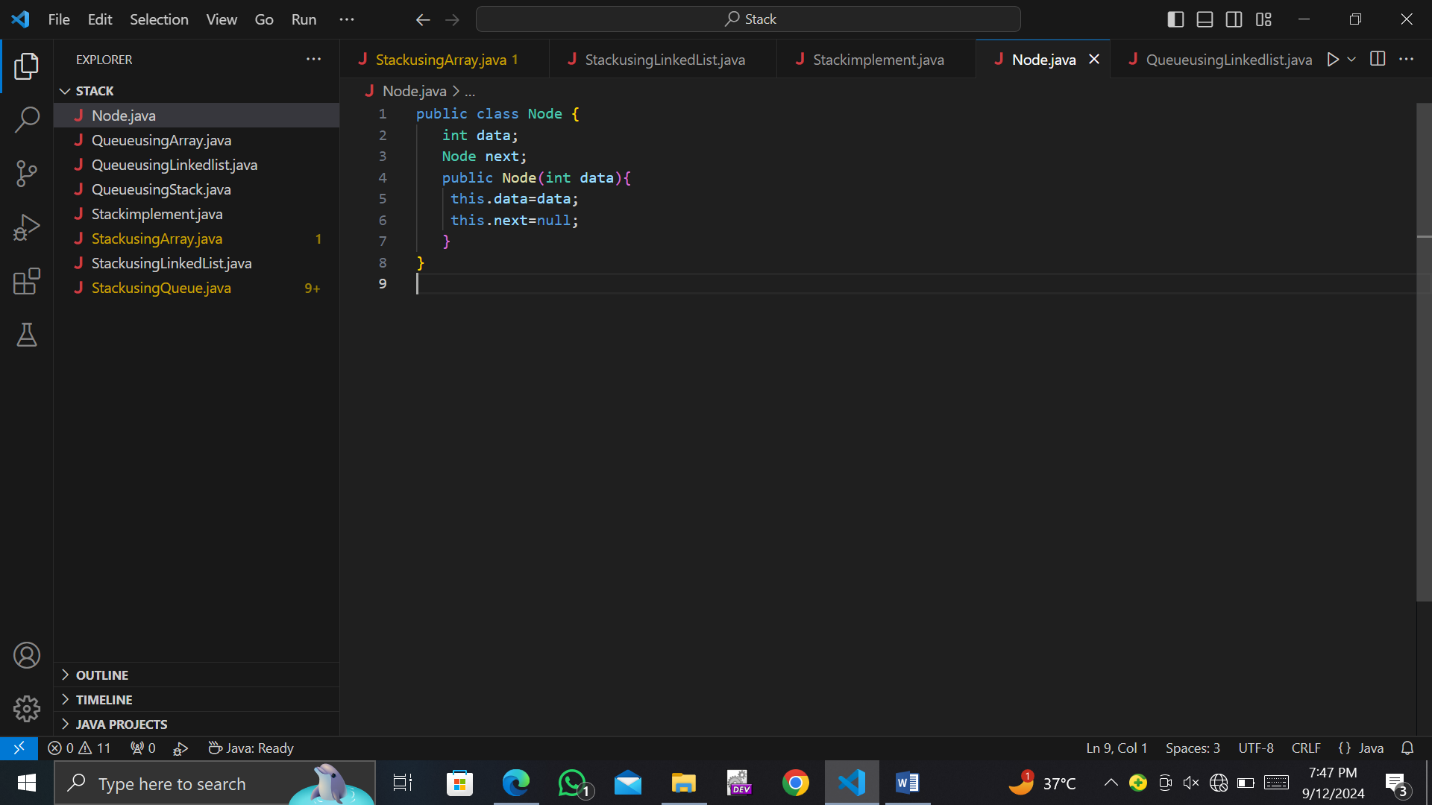
**Stack using Array**

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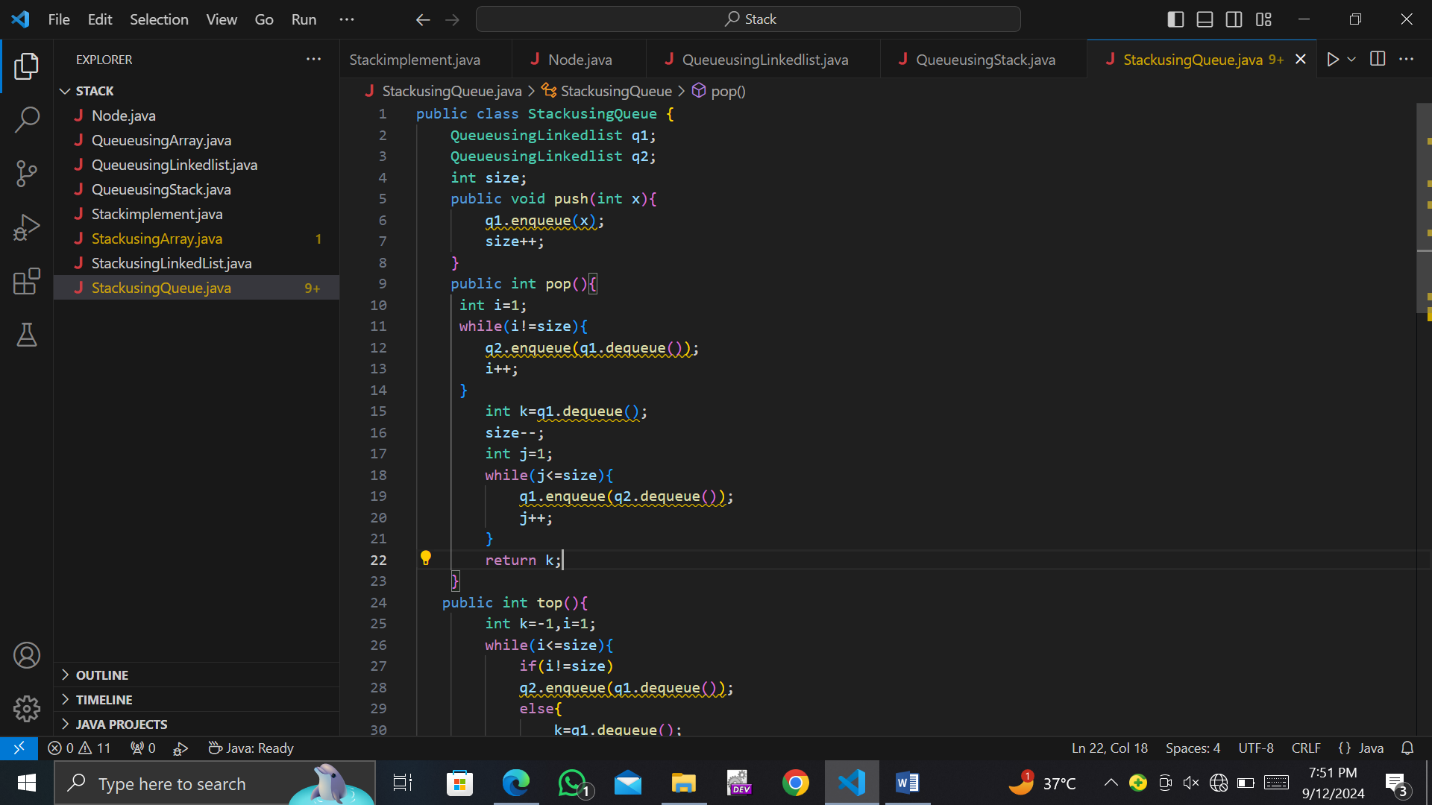
**Task #2**

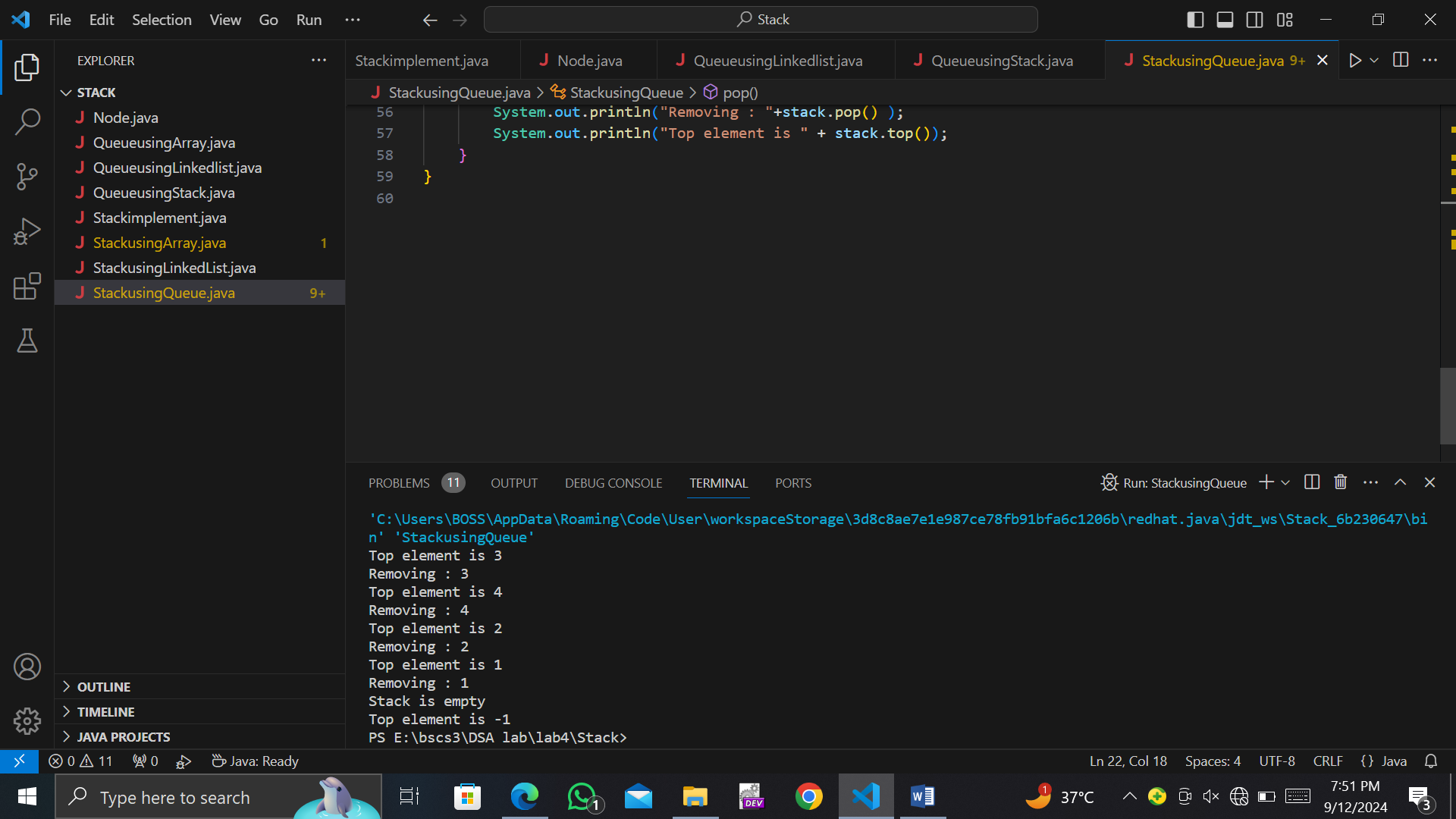
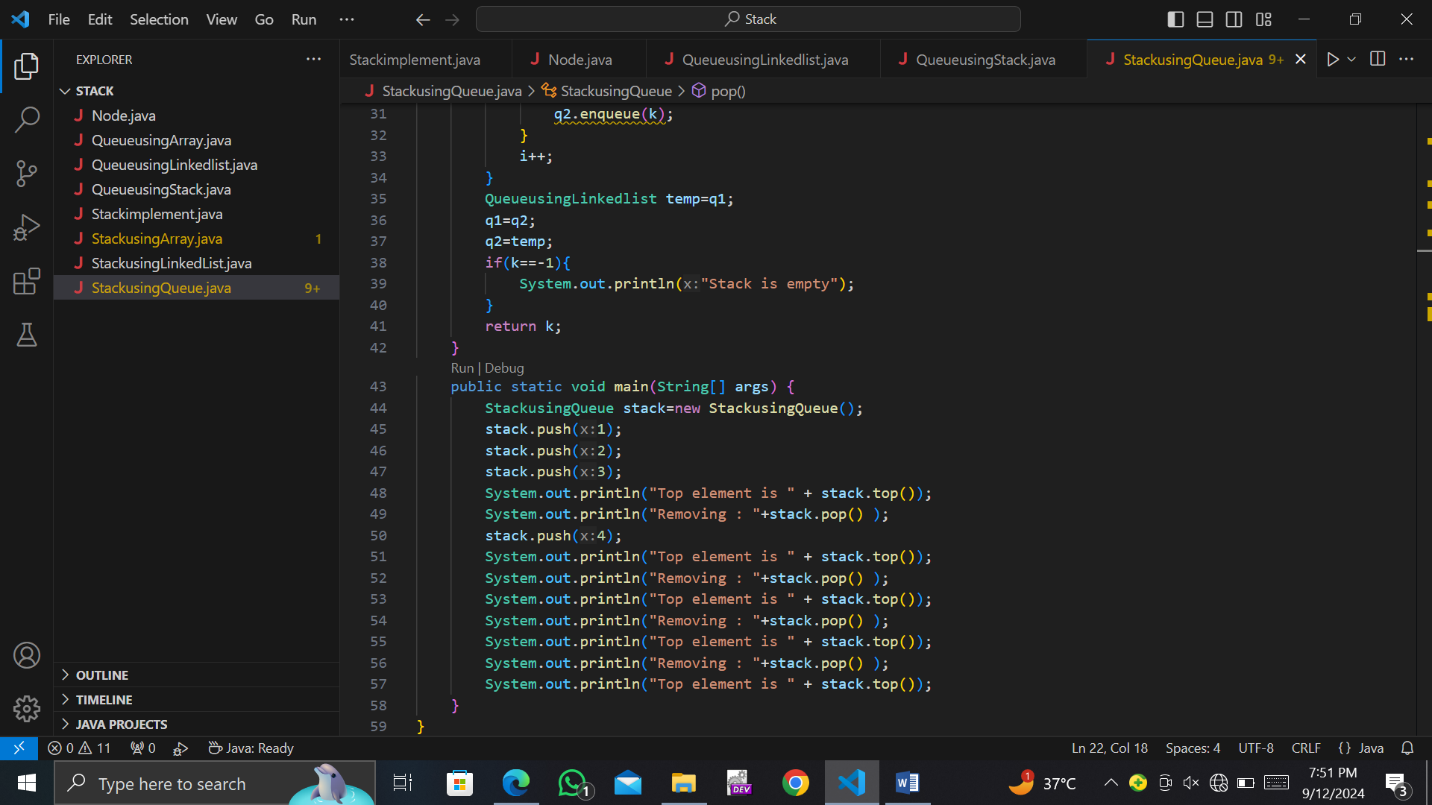
**Stack using Linked List**

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**Task #3**

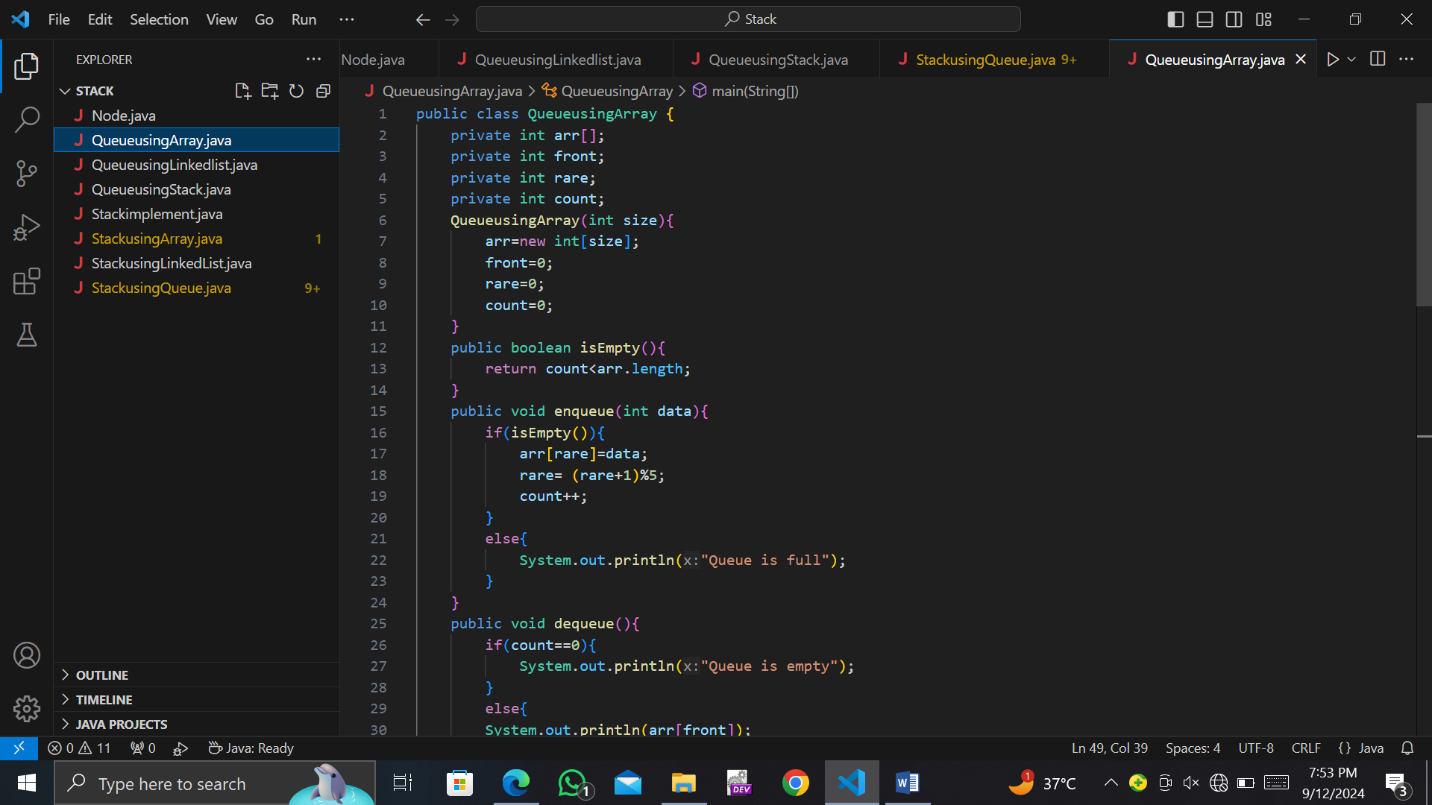
**Stack using Queue**

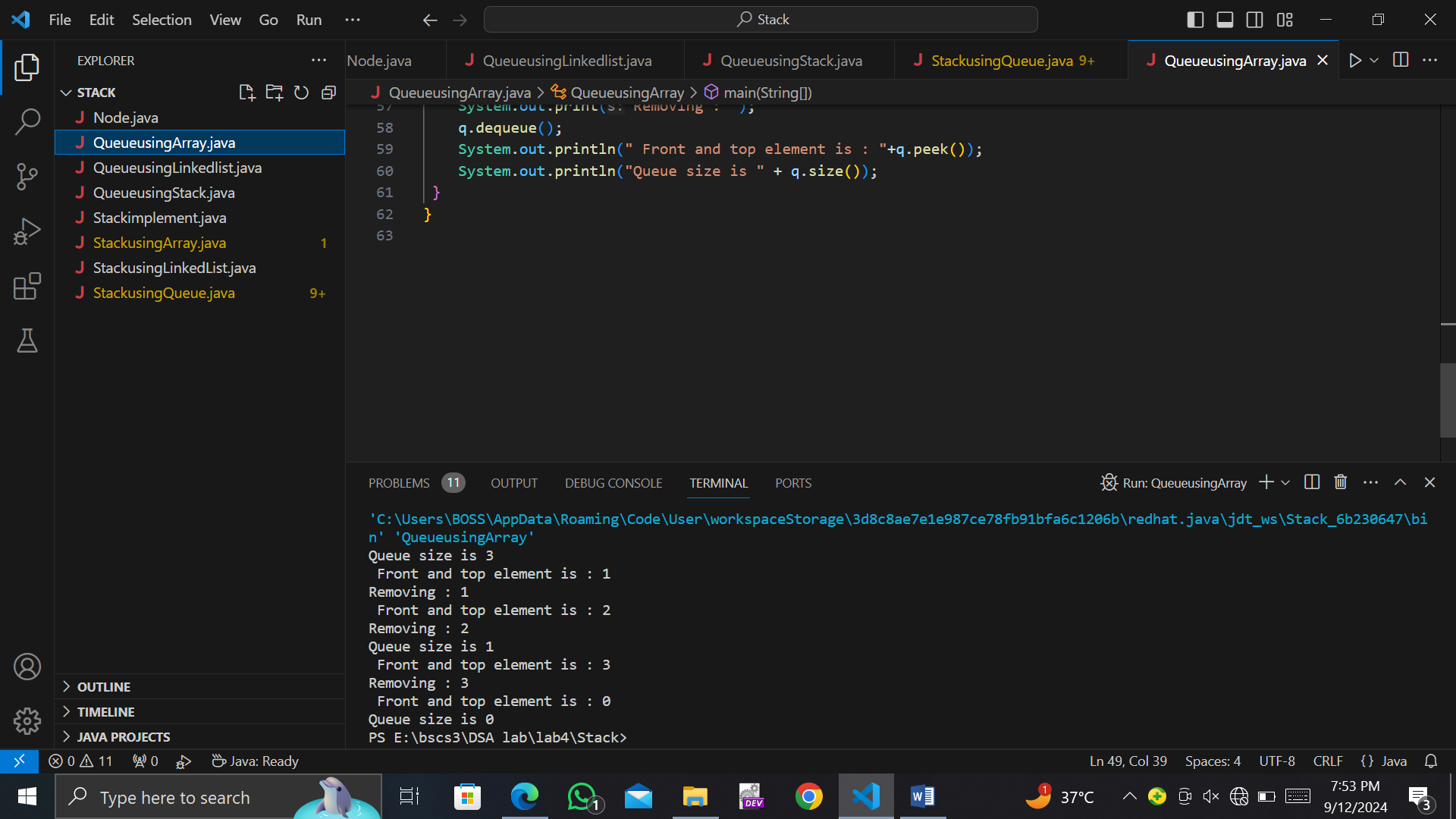
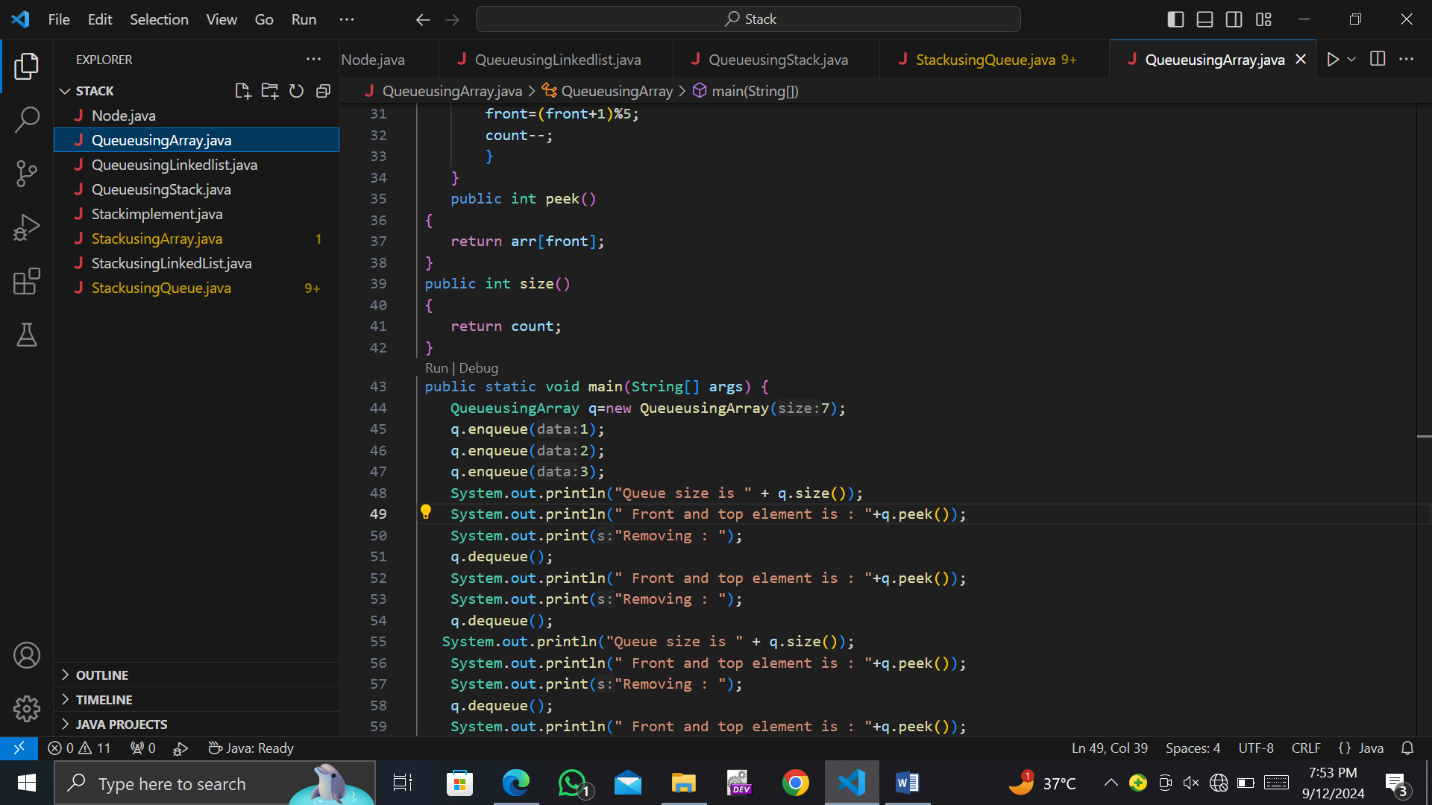
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**Task #4**

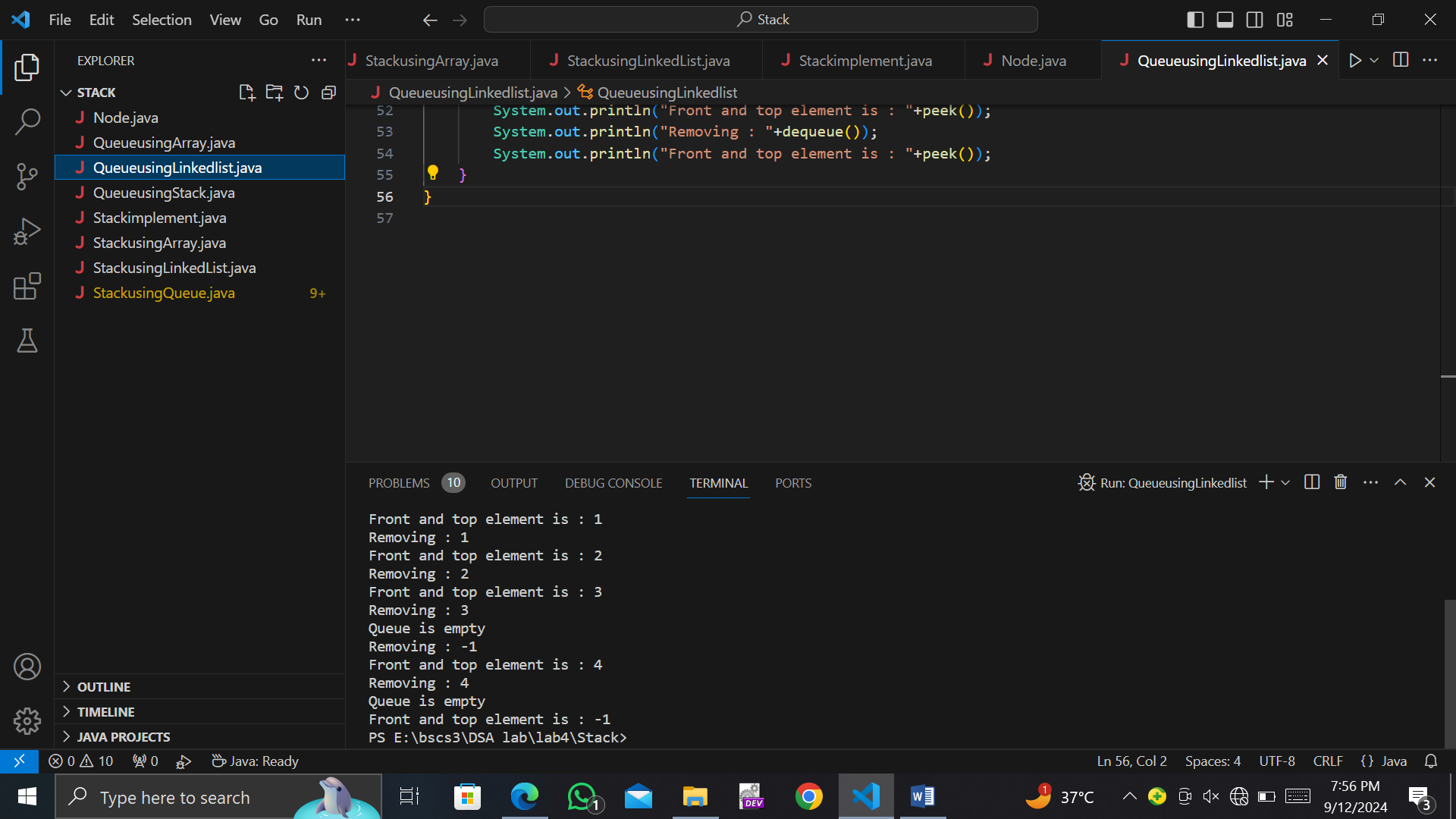
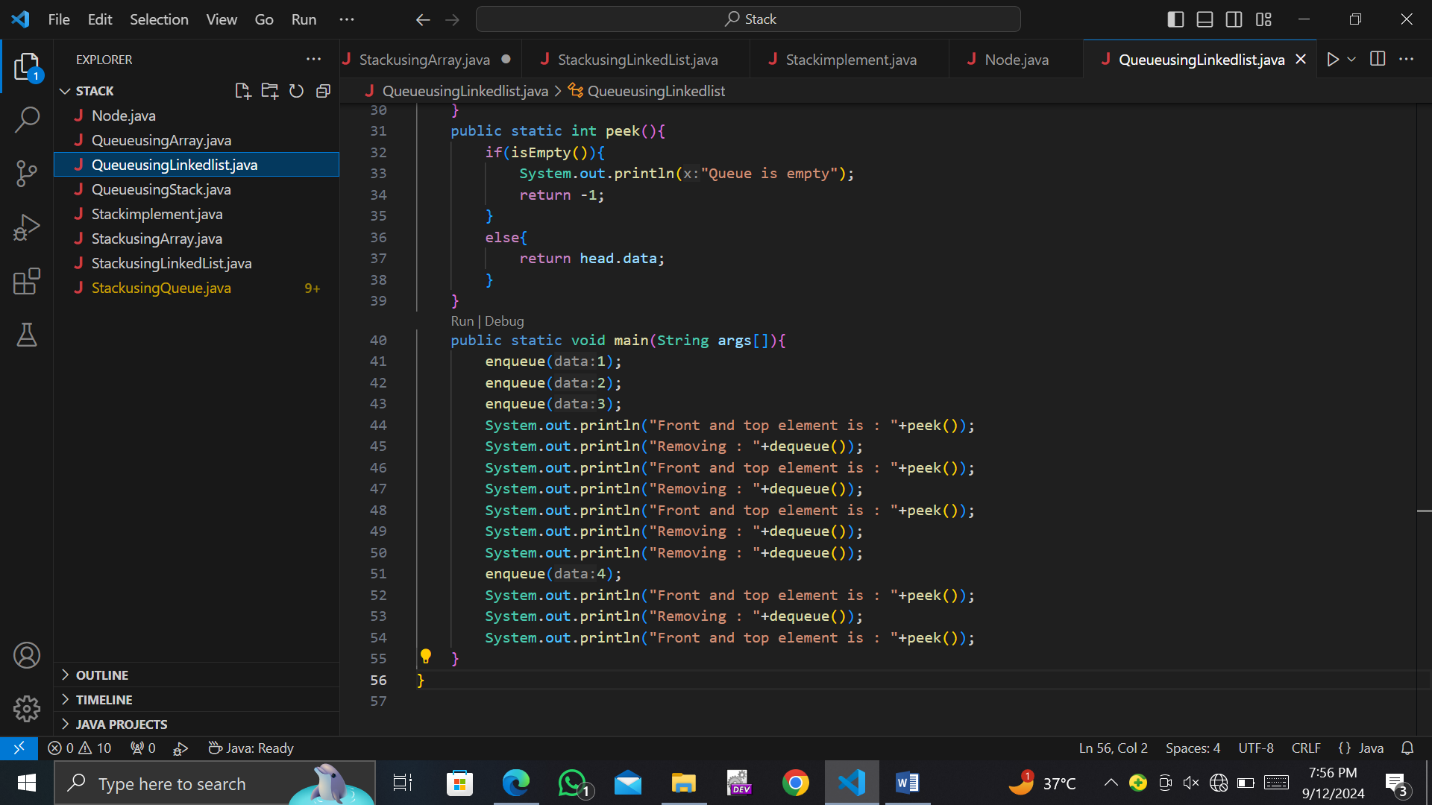
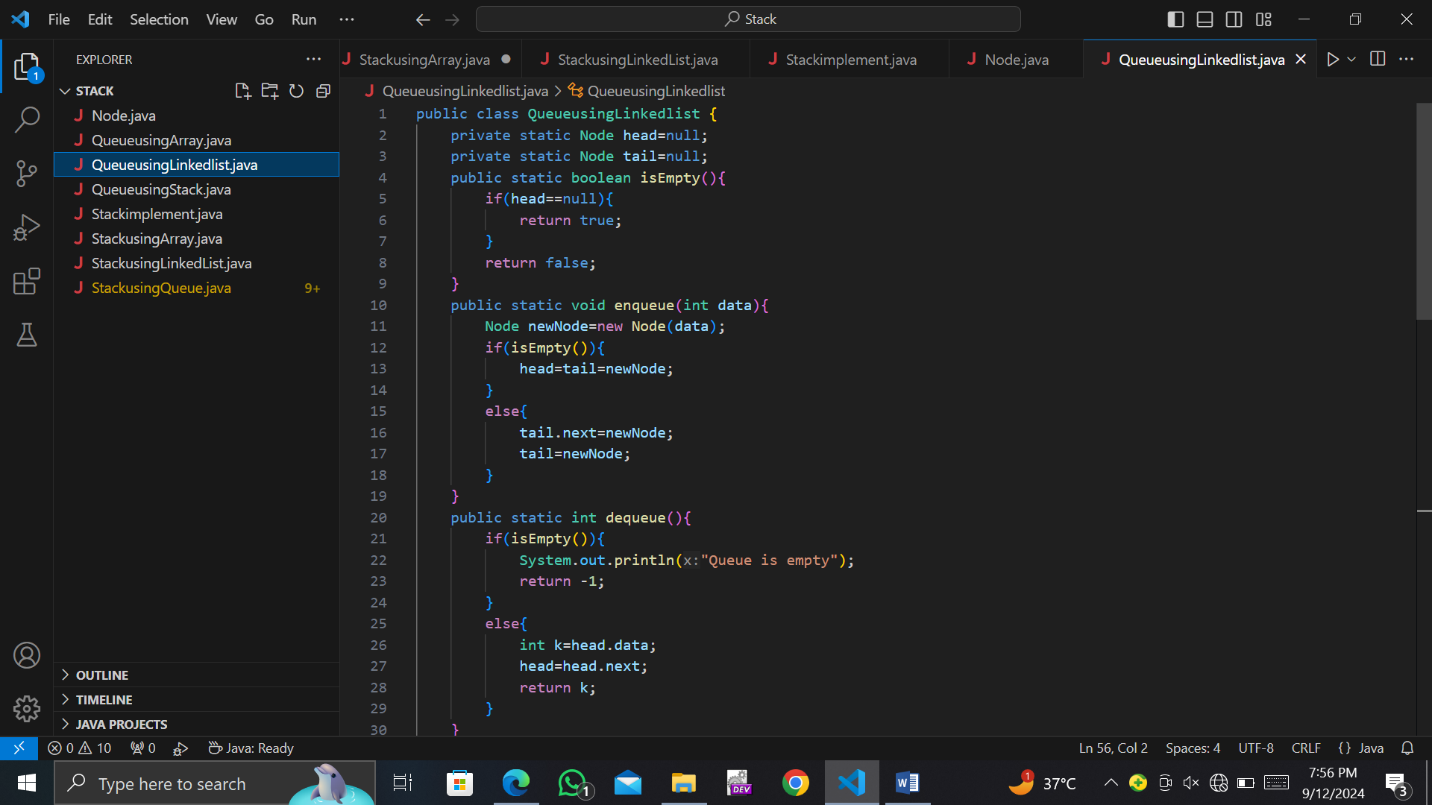
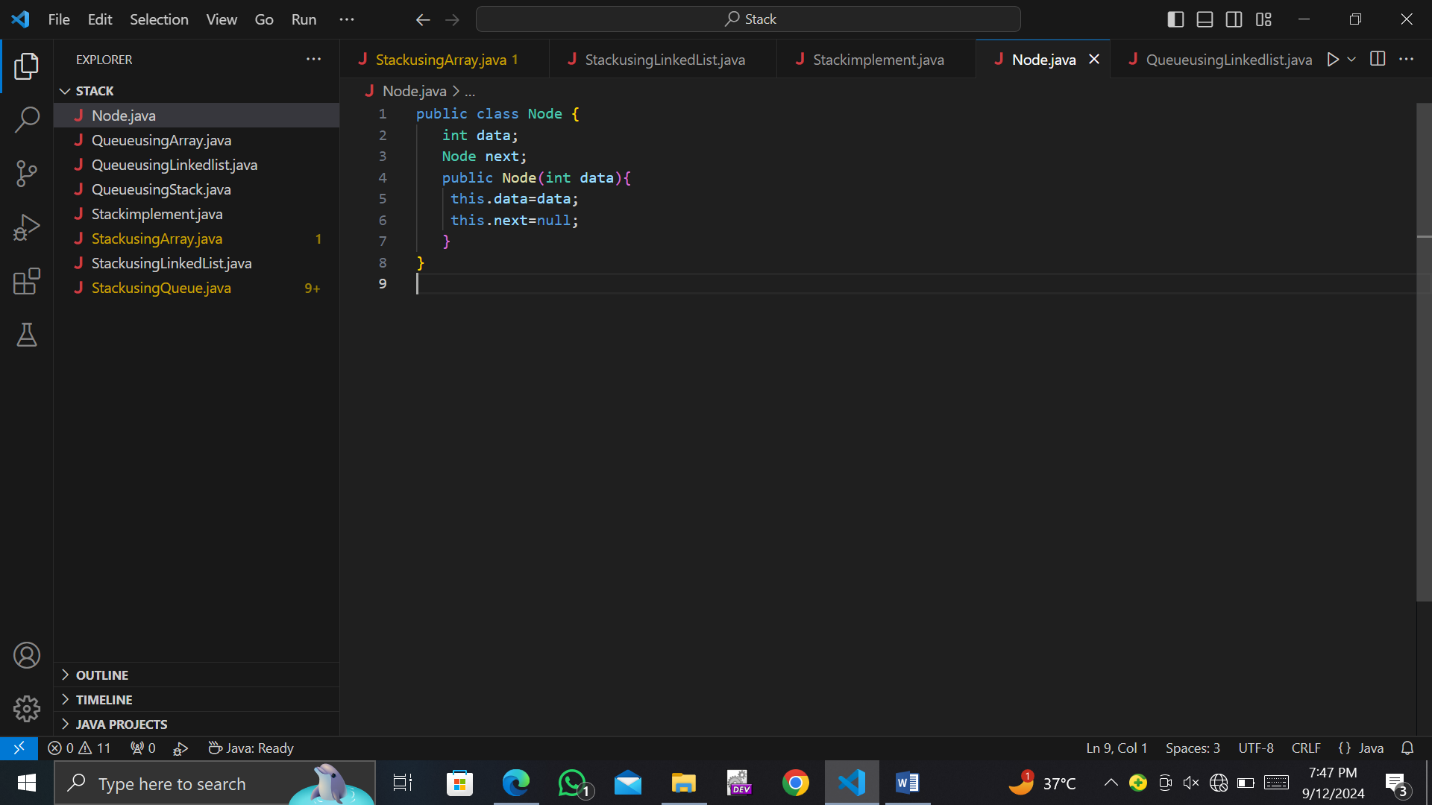
**Queue using Array**

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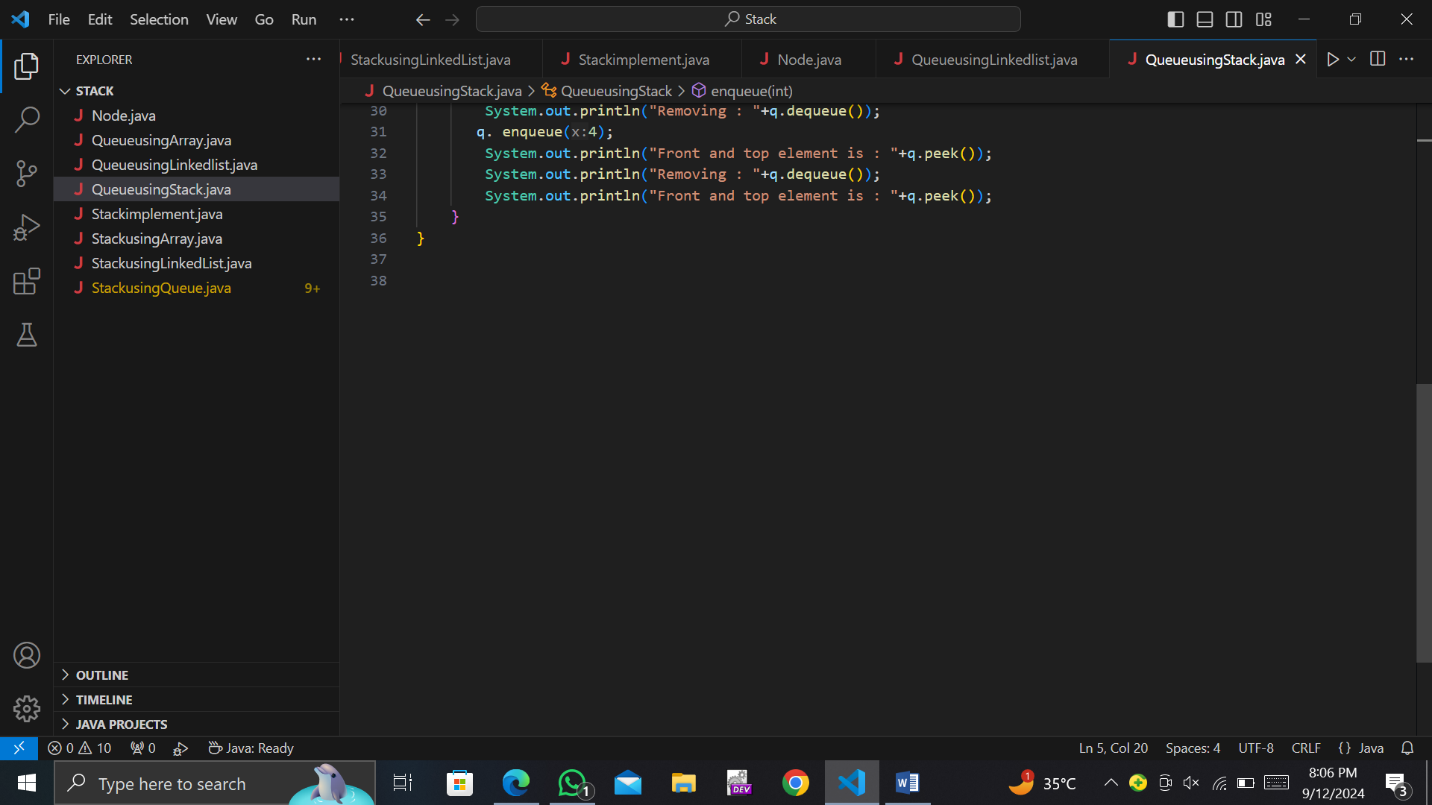
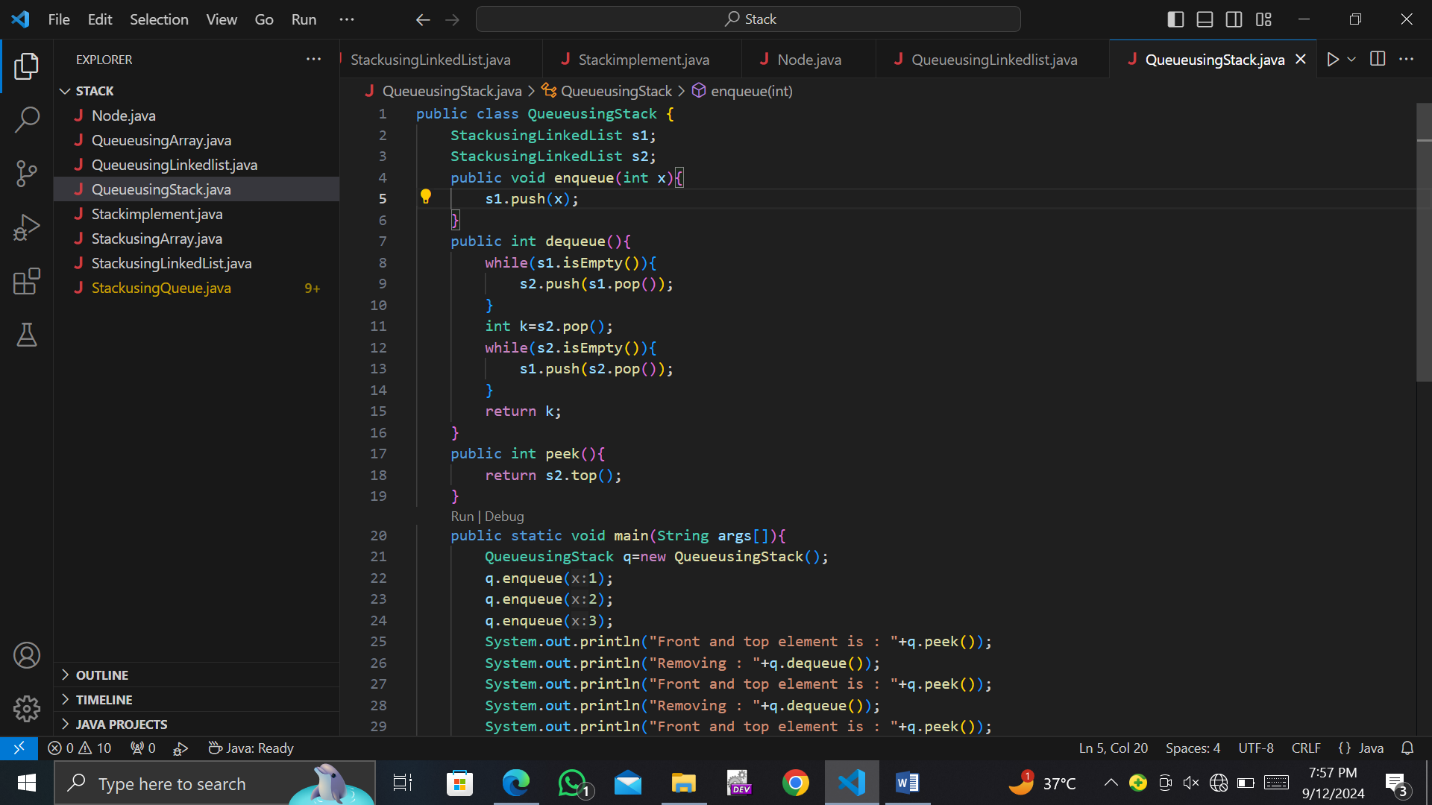
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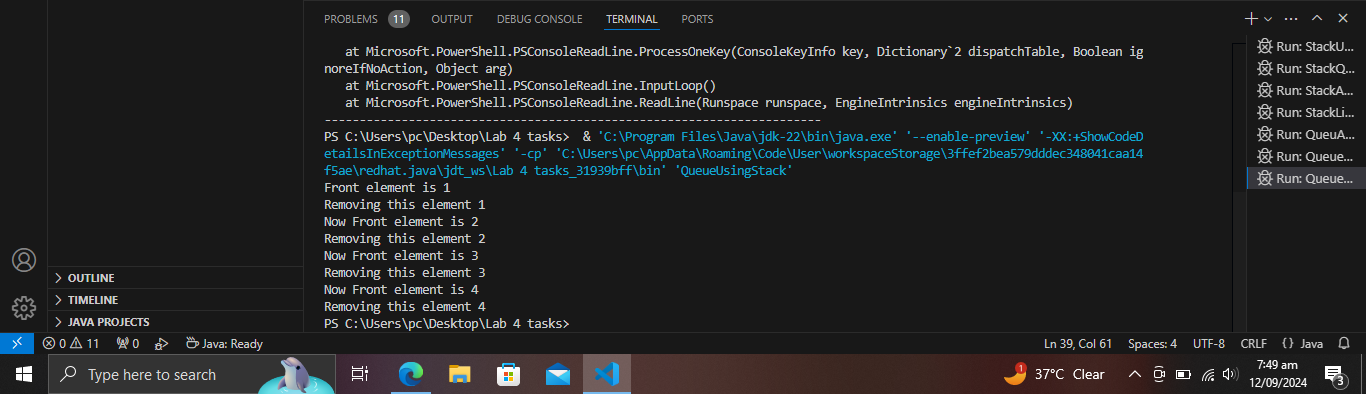
**Queue using Linked List**

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**Task #6**

**Queue using Stack**

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**THE END**