**DSA Assignment**

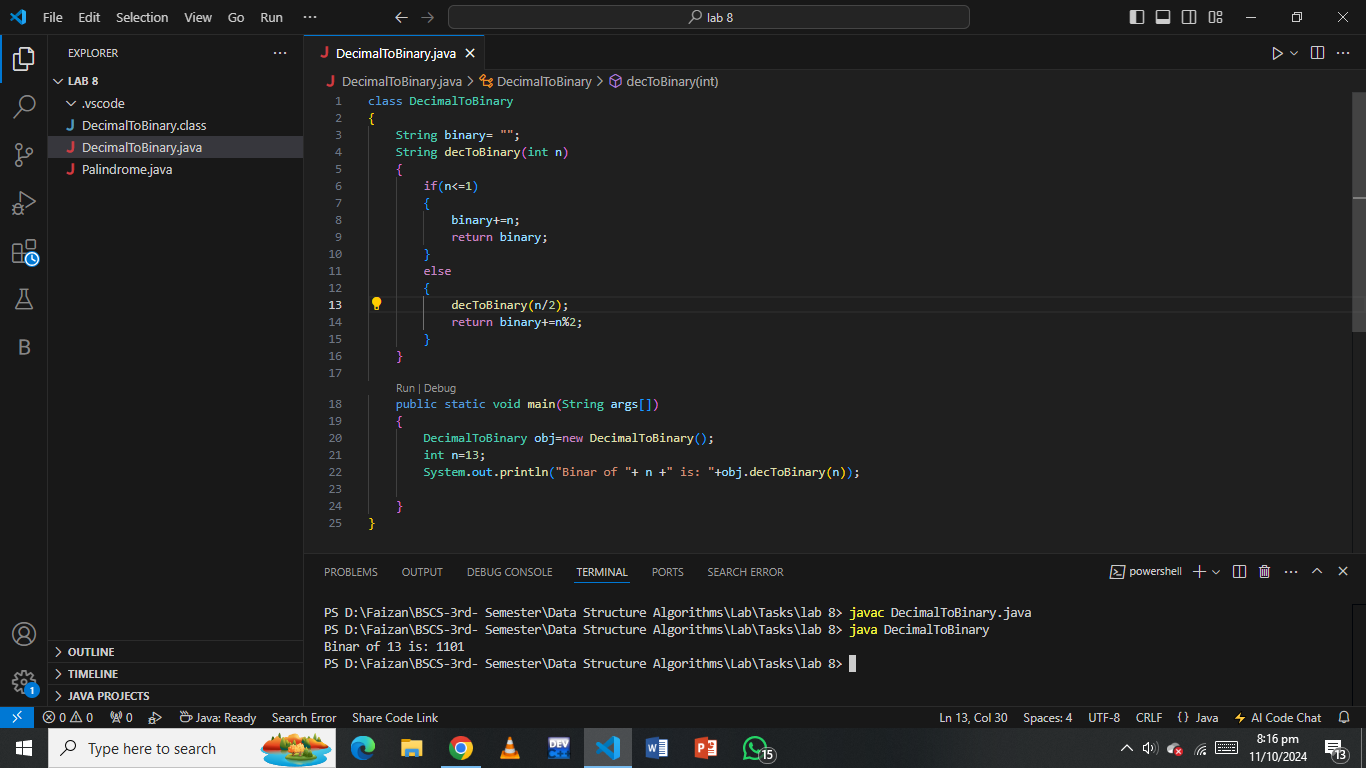
**Name:** Faizan **CMSID:** 023-23-0318

**Section:** A **Date:** 12-10-2024

**Lab 8 Solutions**

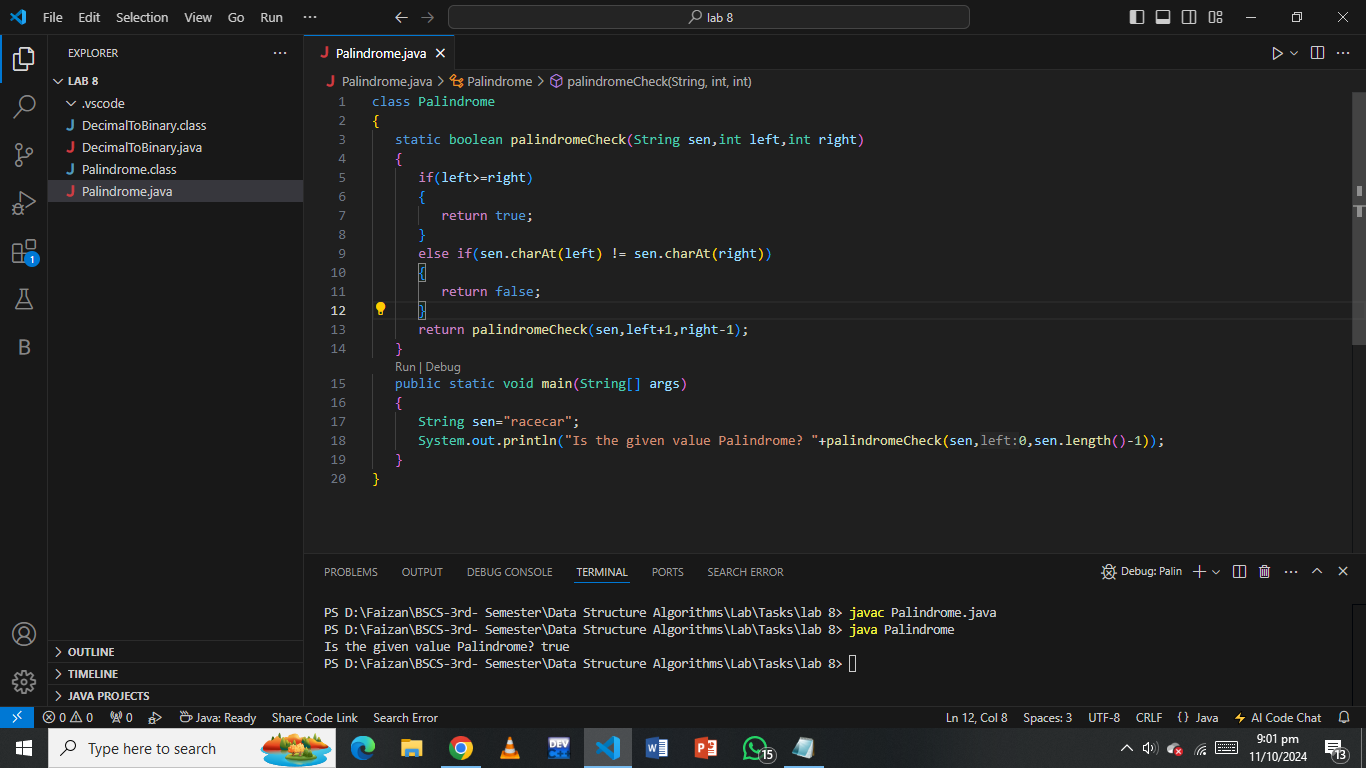
**Task 01**

. Write the recursion function DecimalToBinary, should return a string that stores the binary equivalent for int variable num.

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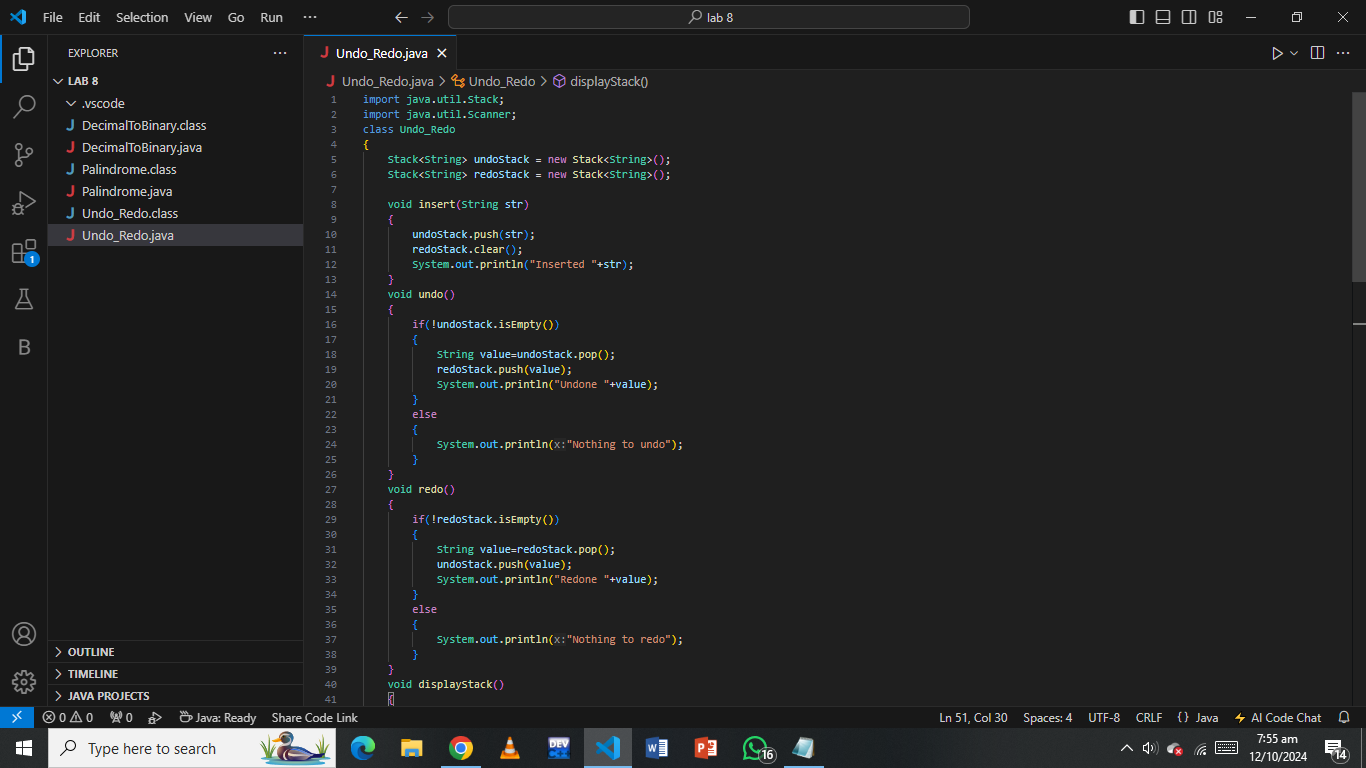
**Task 02**

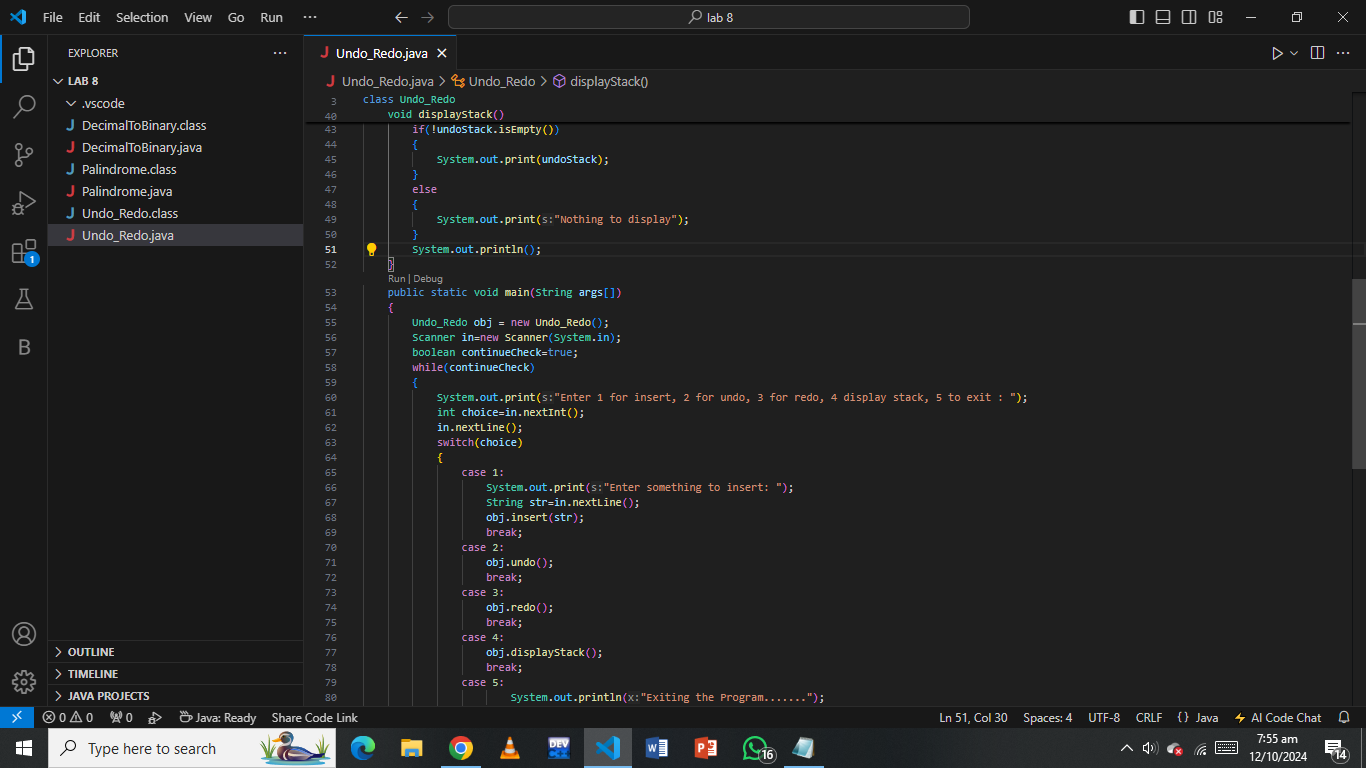
Check for Palindrome (Recursive String Check): Implement a recursive function to check if a given string is a palindrome.

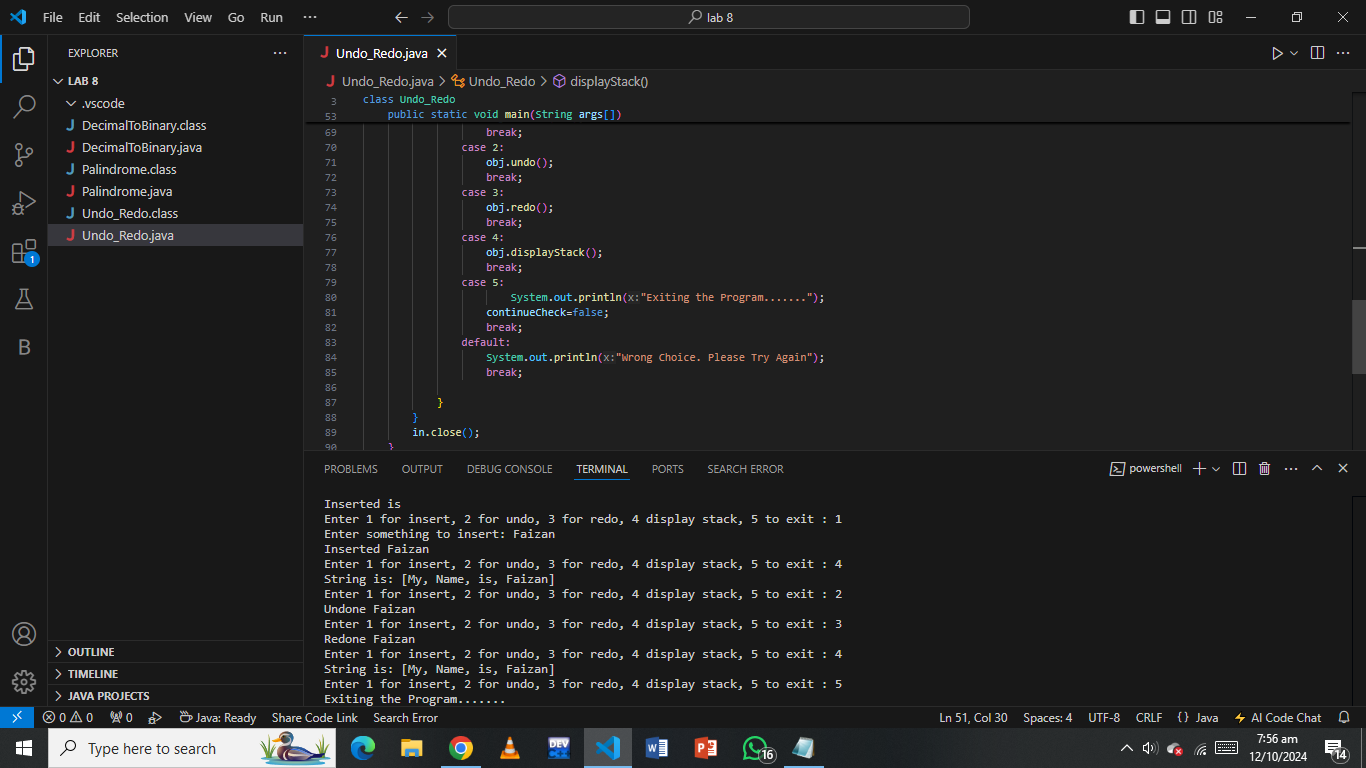
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**Task 03**

(Undo/Redo Program)

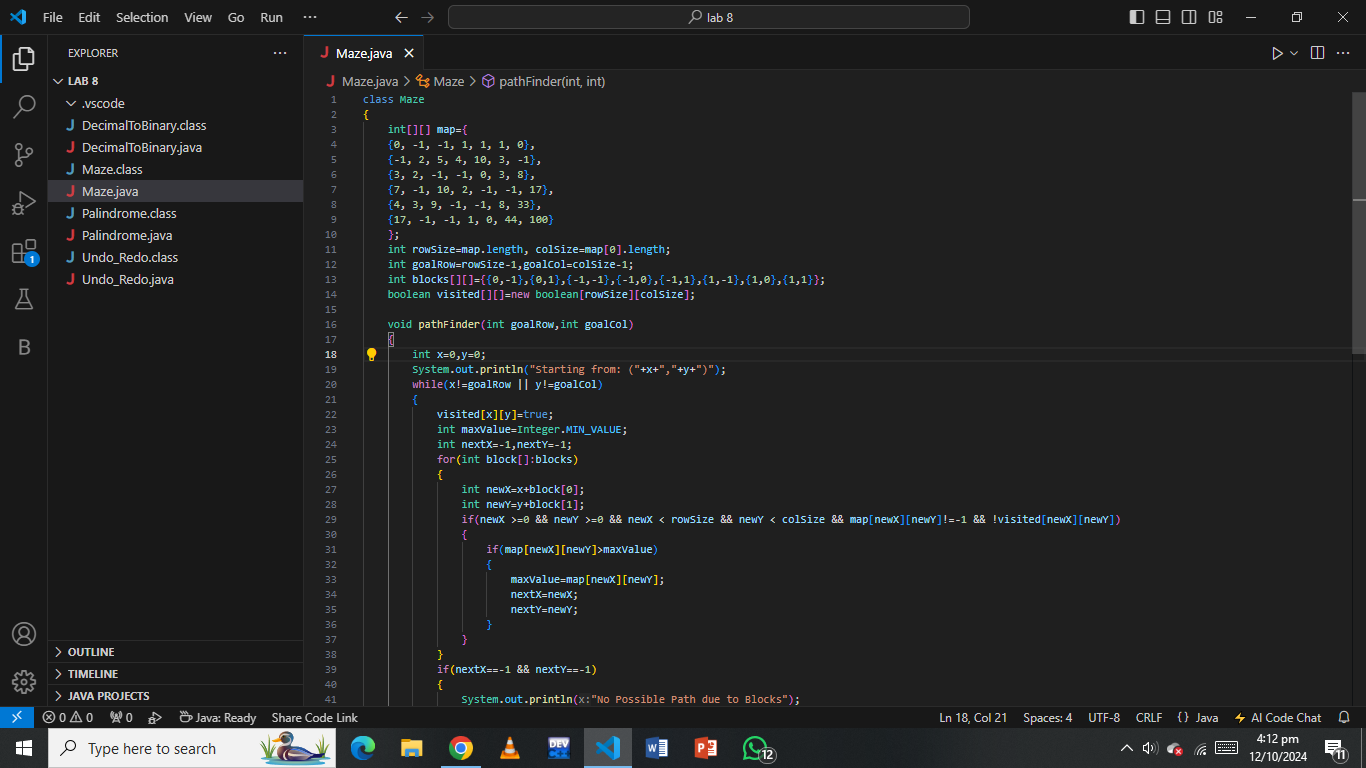
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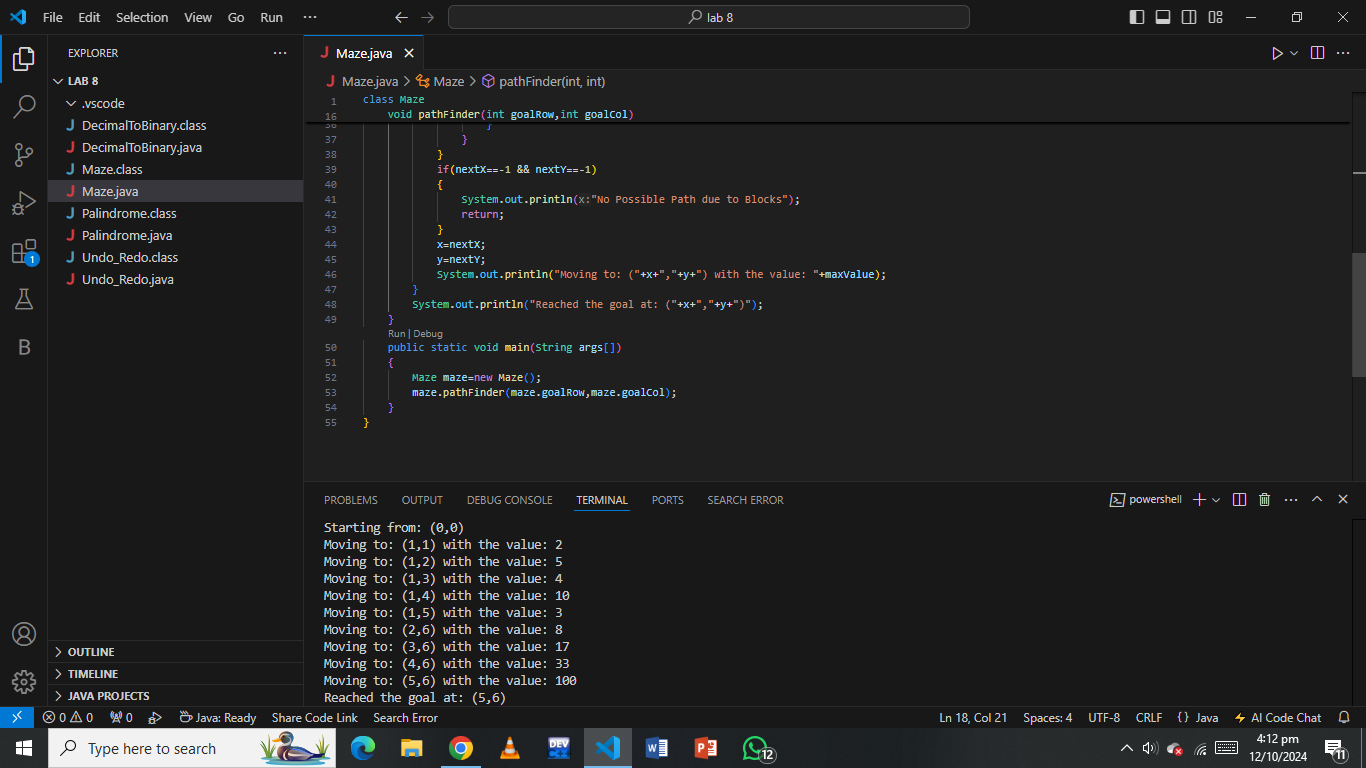
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**Task 04**

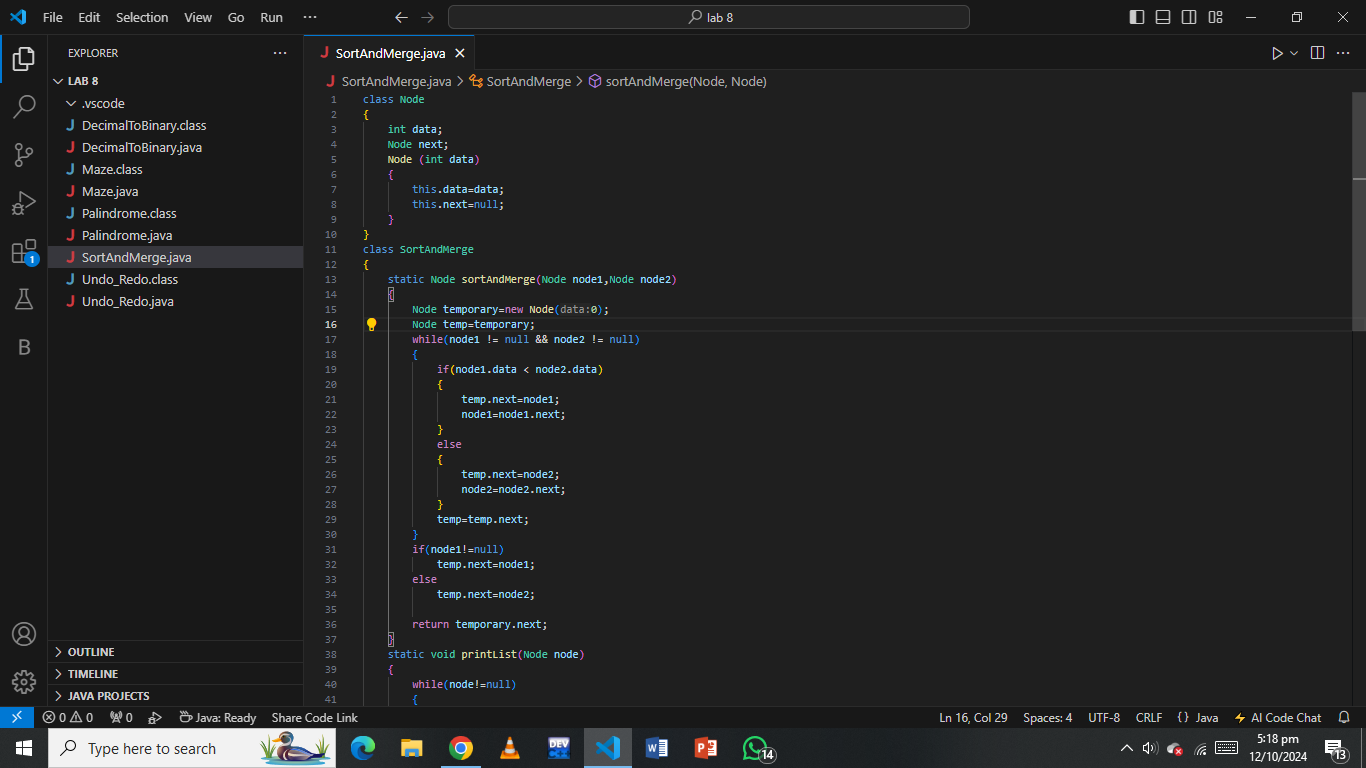
Apply Greedy approach

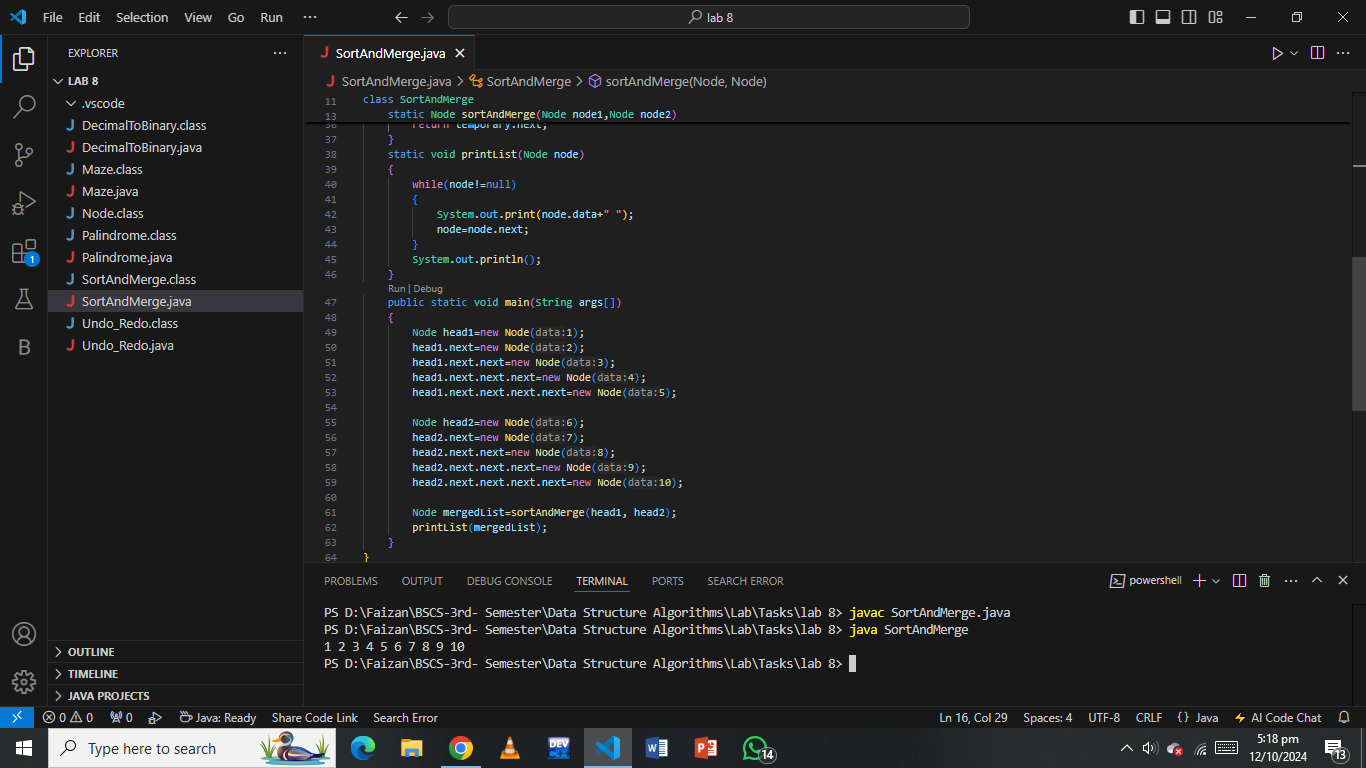
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**Task 05**

Write a function that takes two sorted singly linked lists and merges them into one sorted linked list. The function should return the head of the merged list.

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