9/12/2024

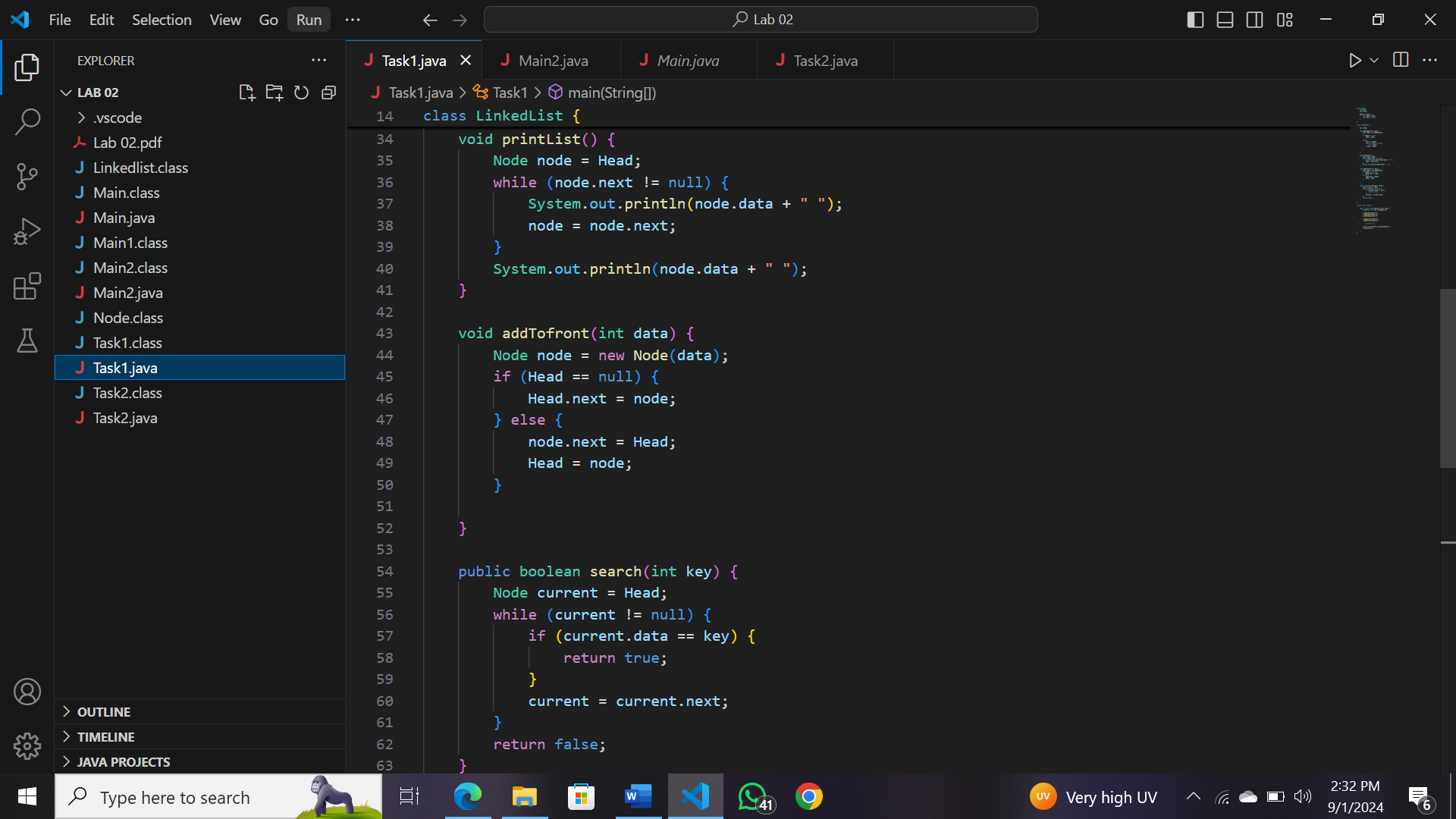
CMS ID: 023-23-0365

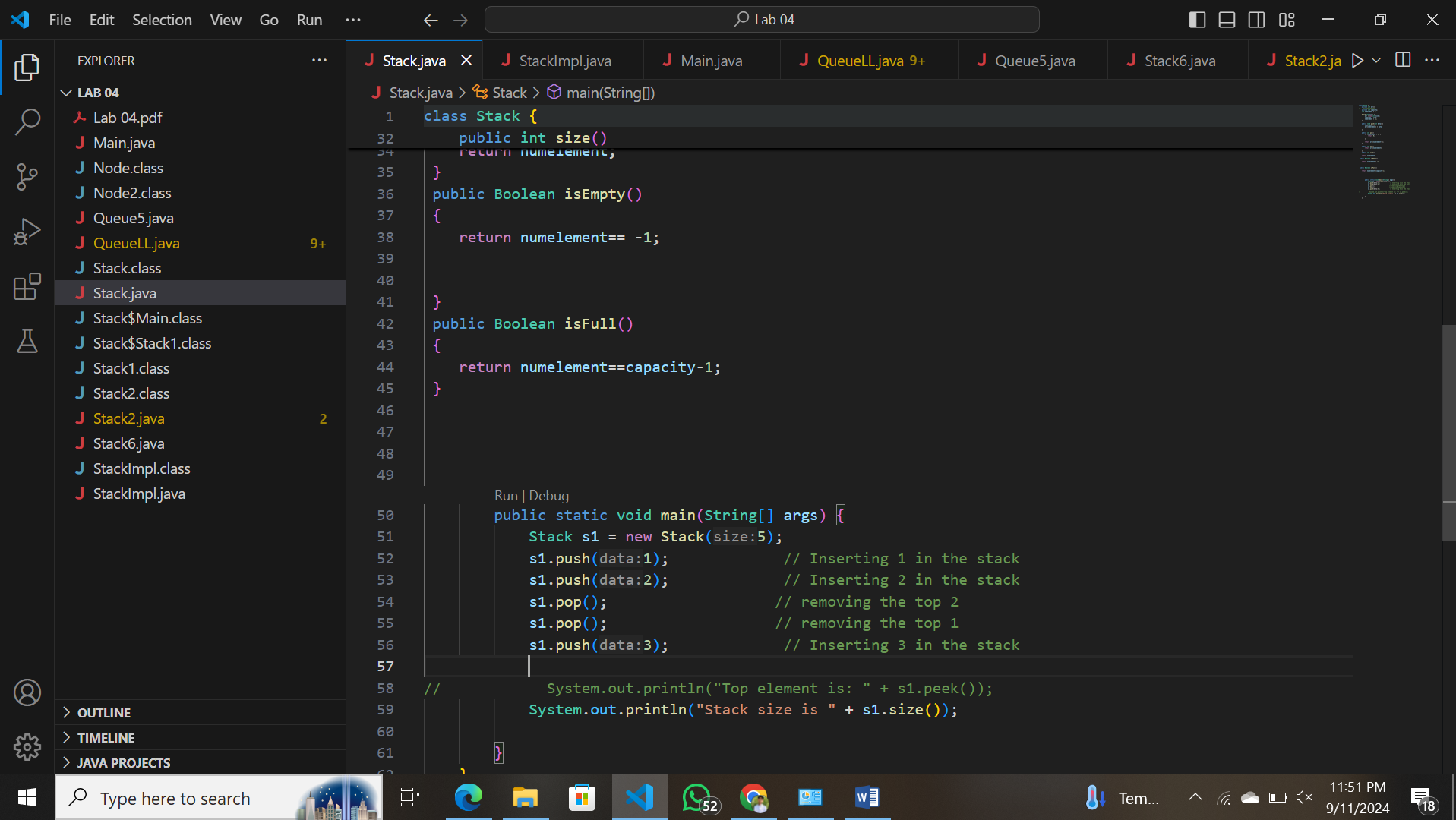
dsa LAB 04 || SUBMITTED TO MA’AM MARINA GUL

LAB O4 Exercise

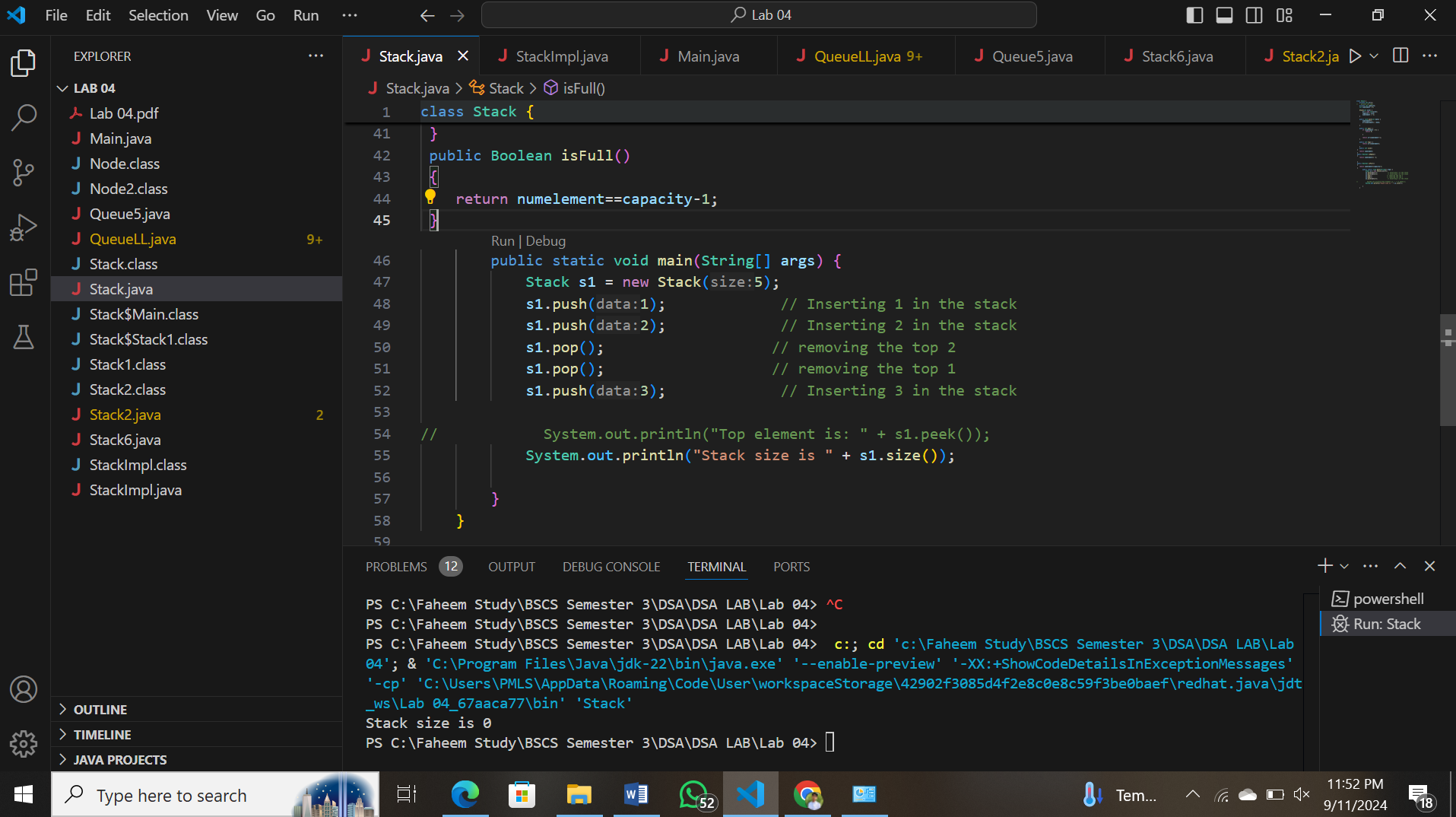
Faheem Akbar

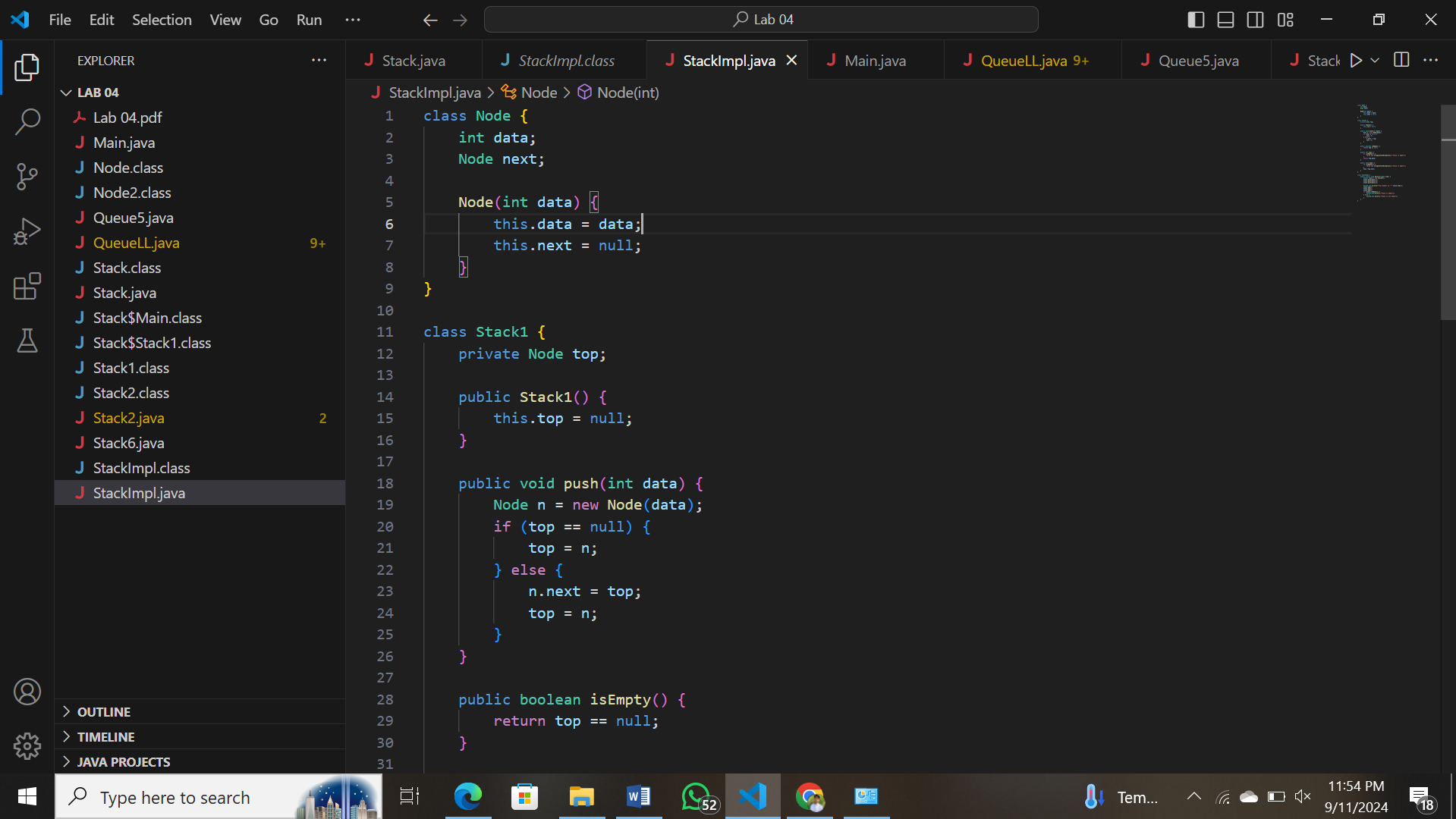
1. Stack using array: Understand provided code and implement all required methods in Stack. Stack Code is given below:

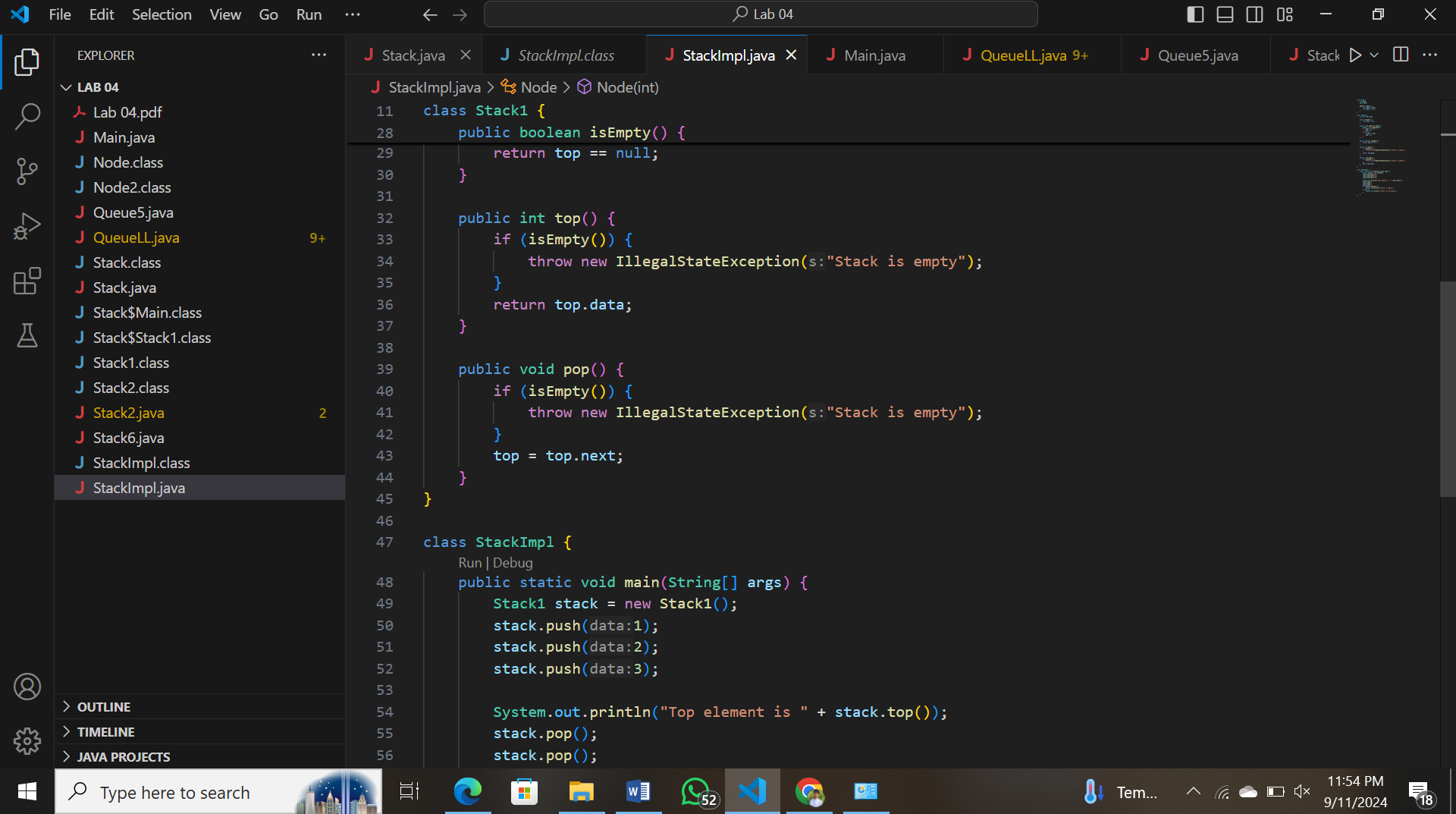




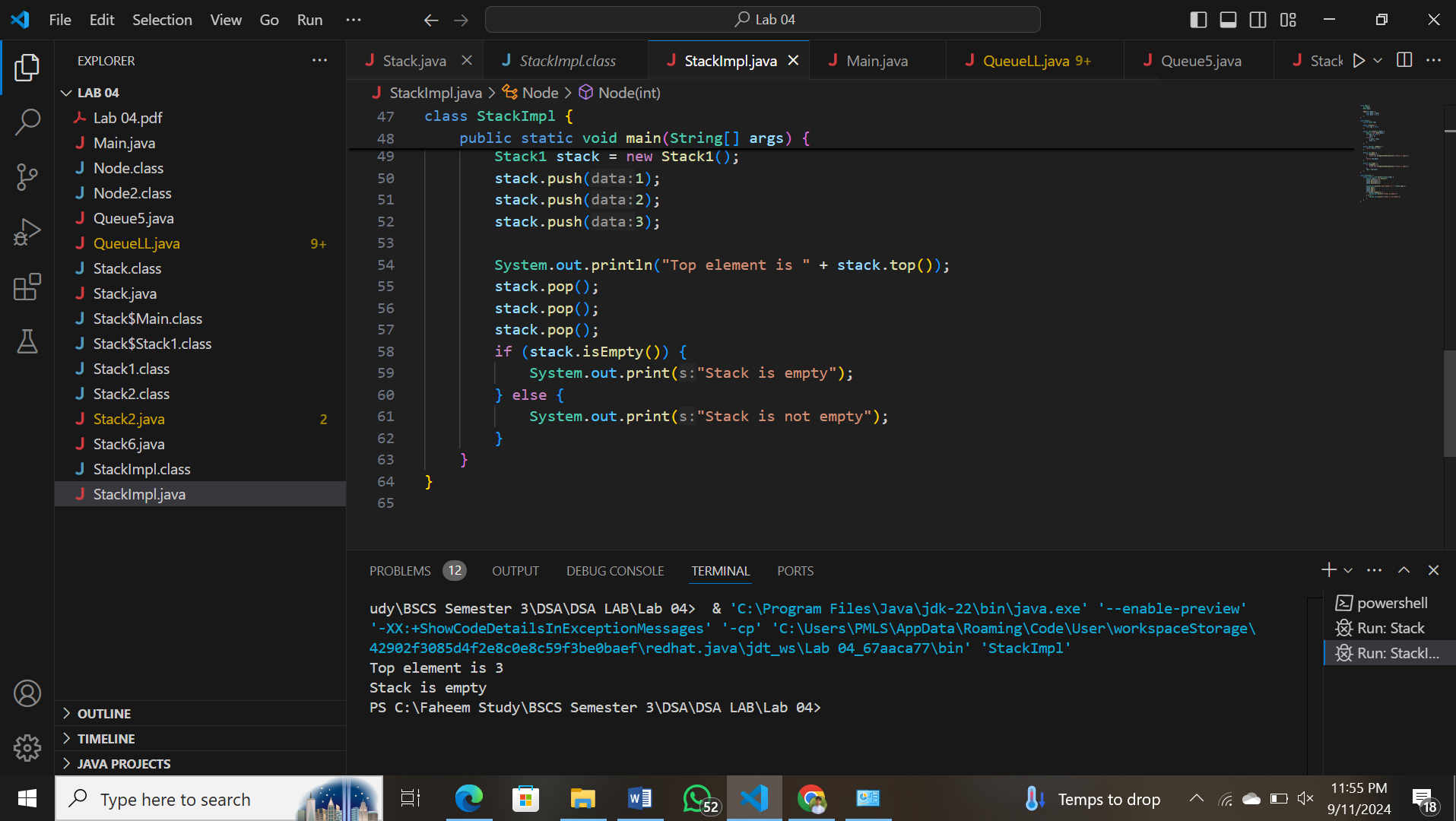
OUTPUT 1:



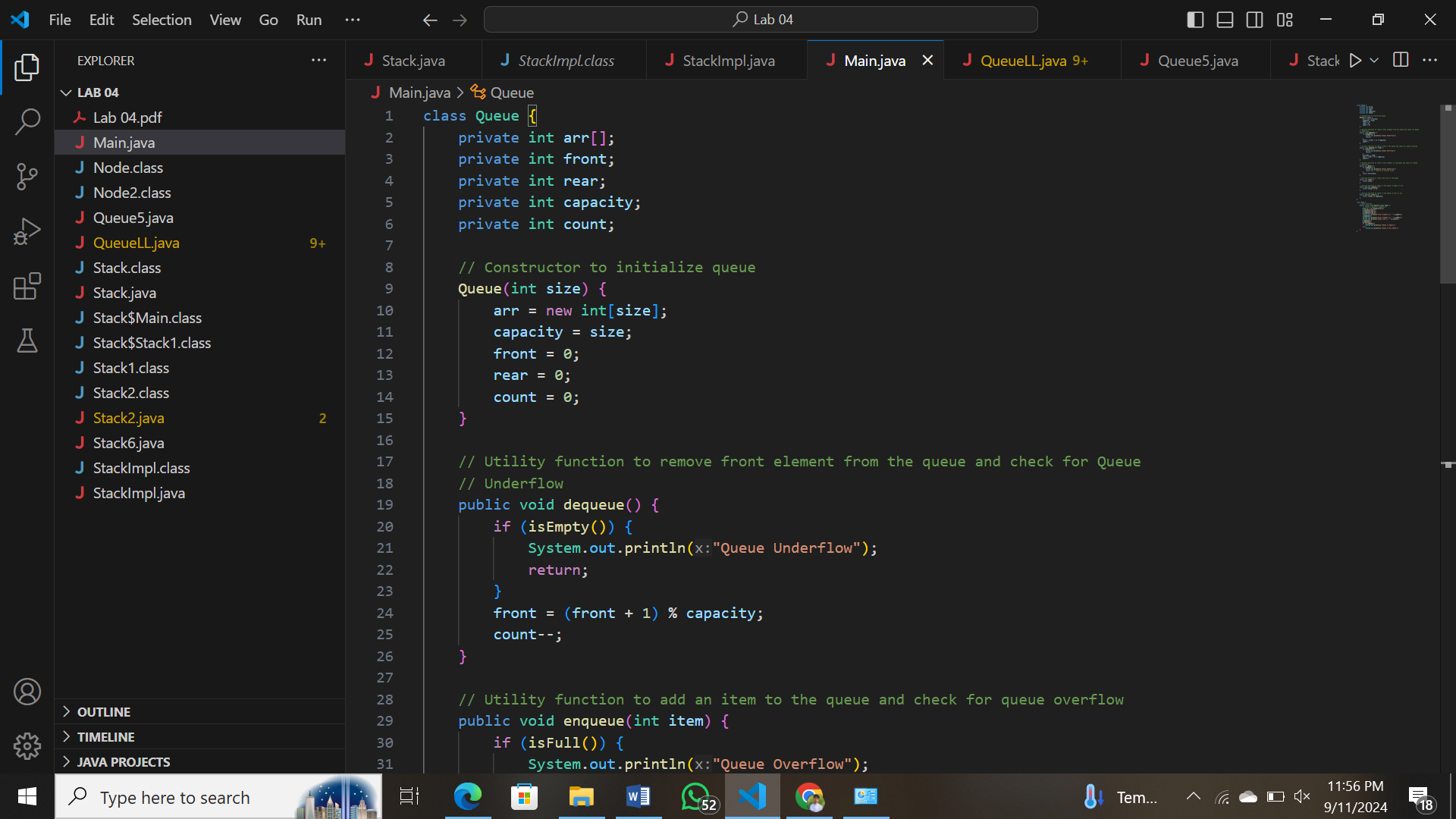
1. Stack using Linked list: Understand provided code and implement all required methods in Stack. Stack Code is given below:

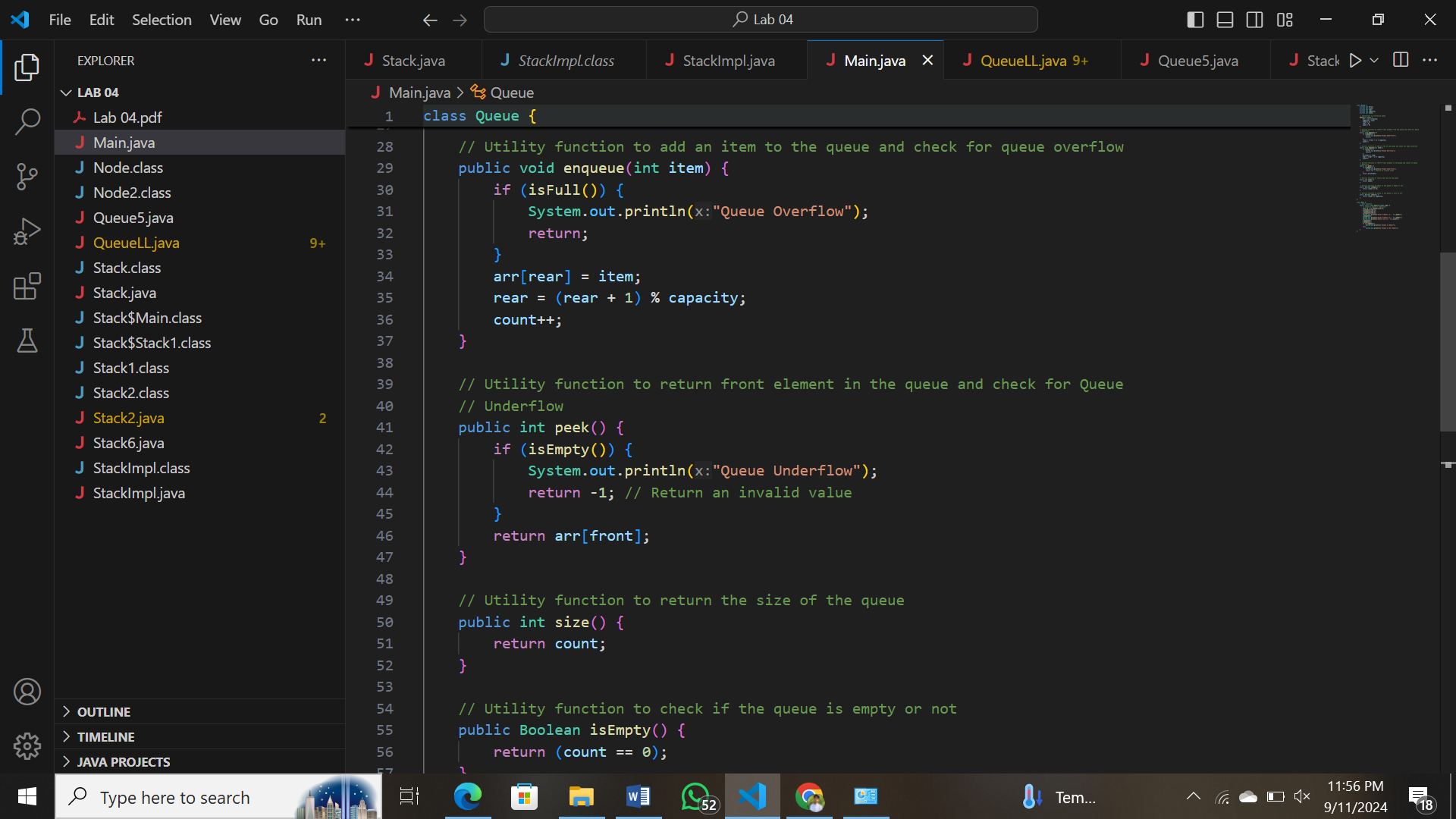


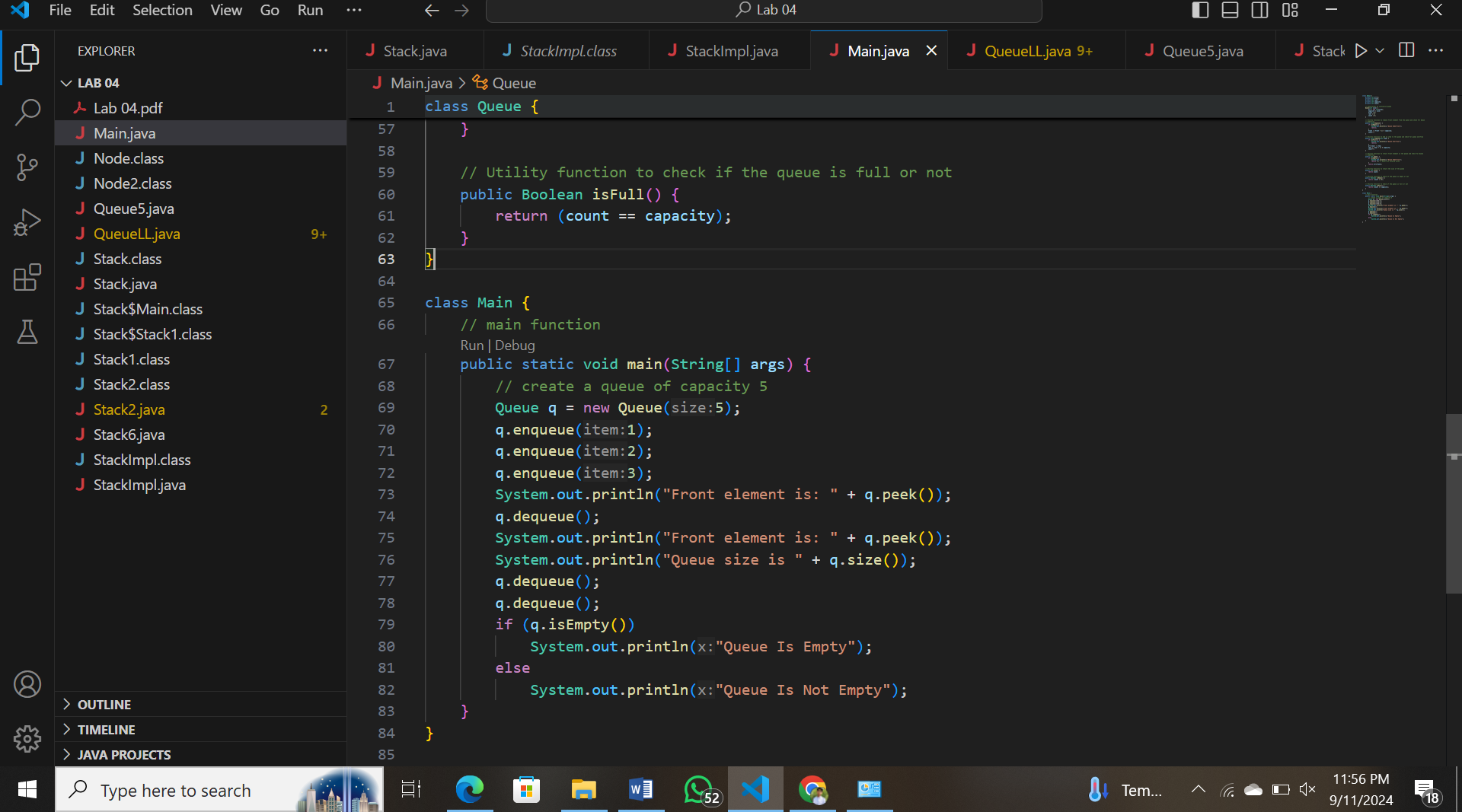
OUTPUT 2:

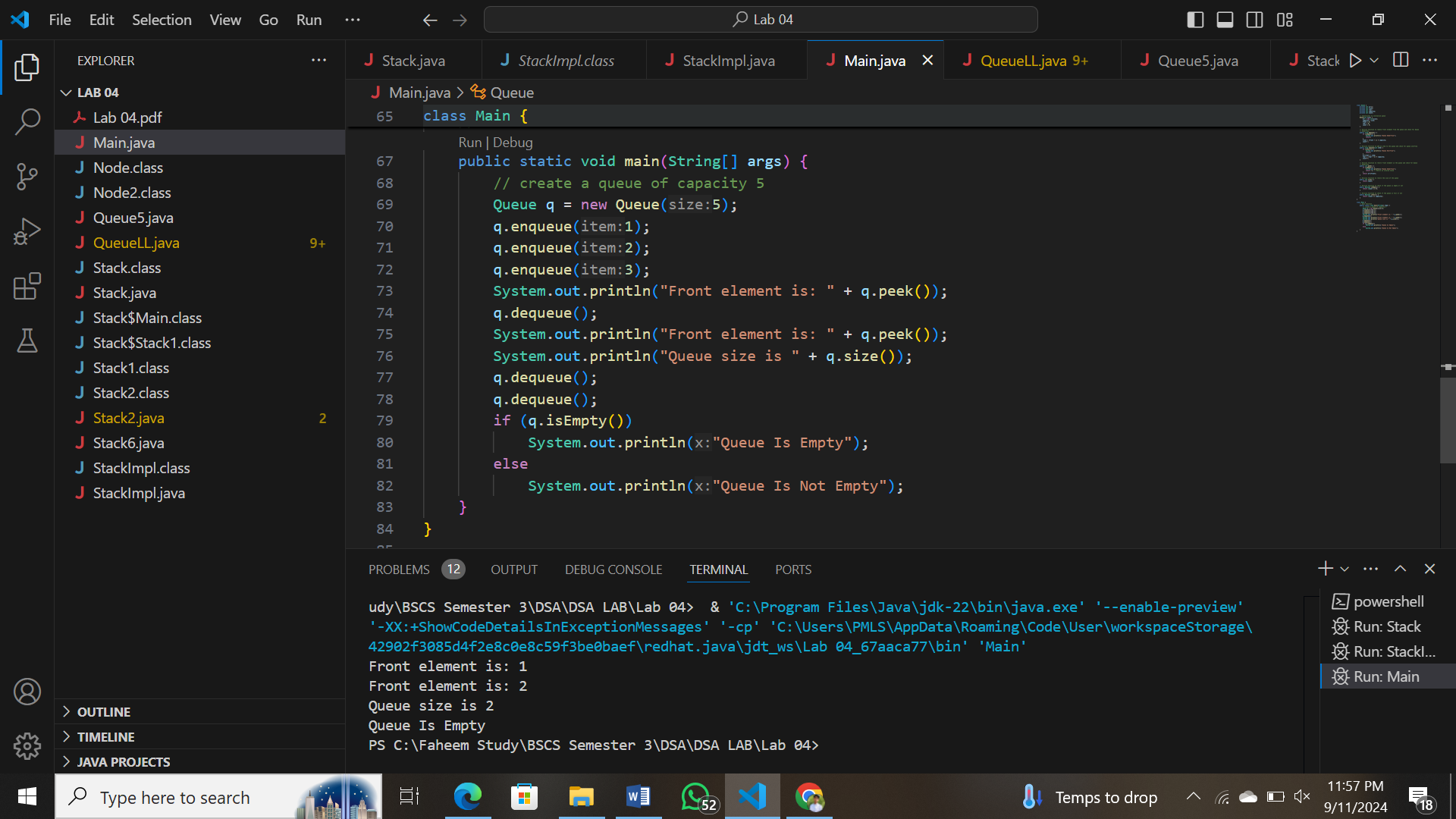


3: Queue using array: Understand provided code and implement all required methods in Queue. Queue Code is given below:

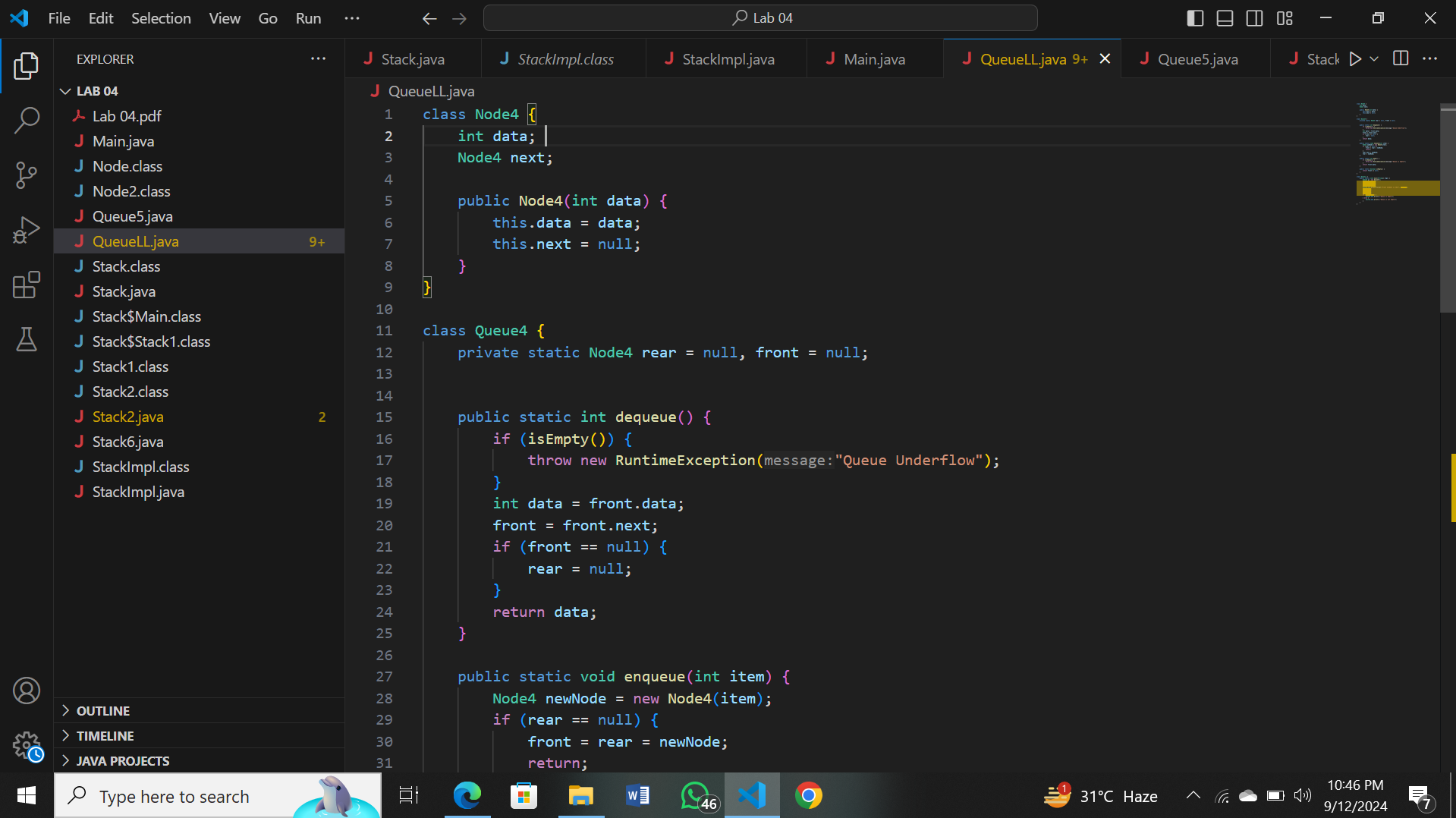


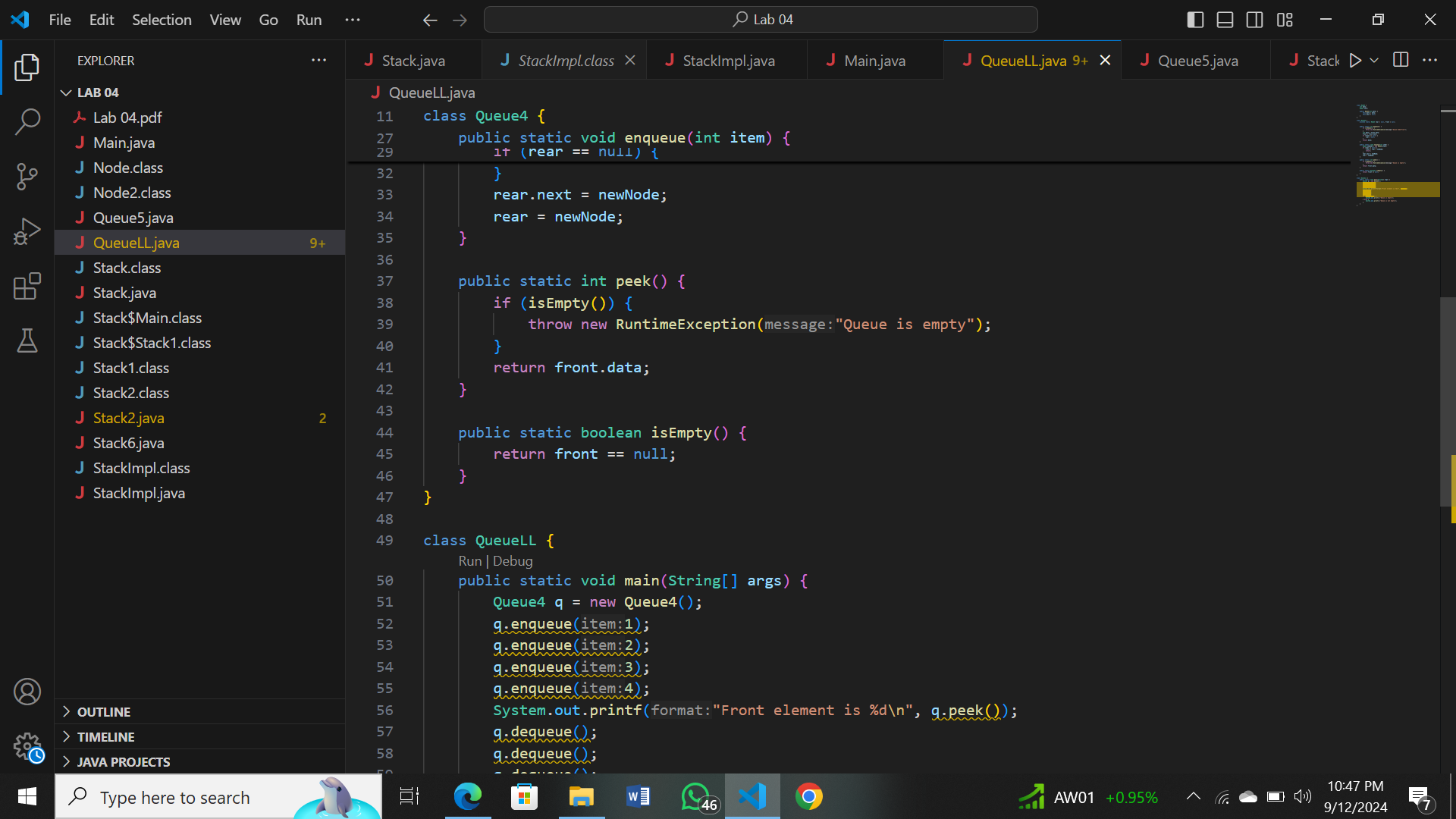




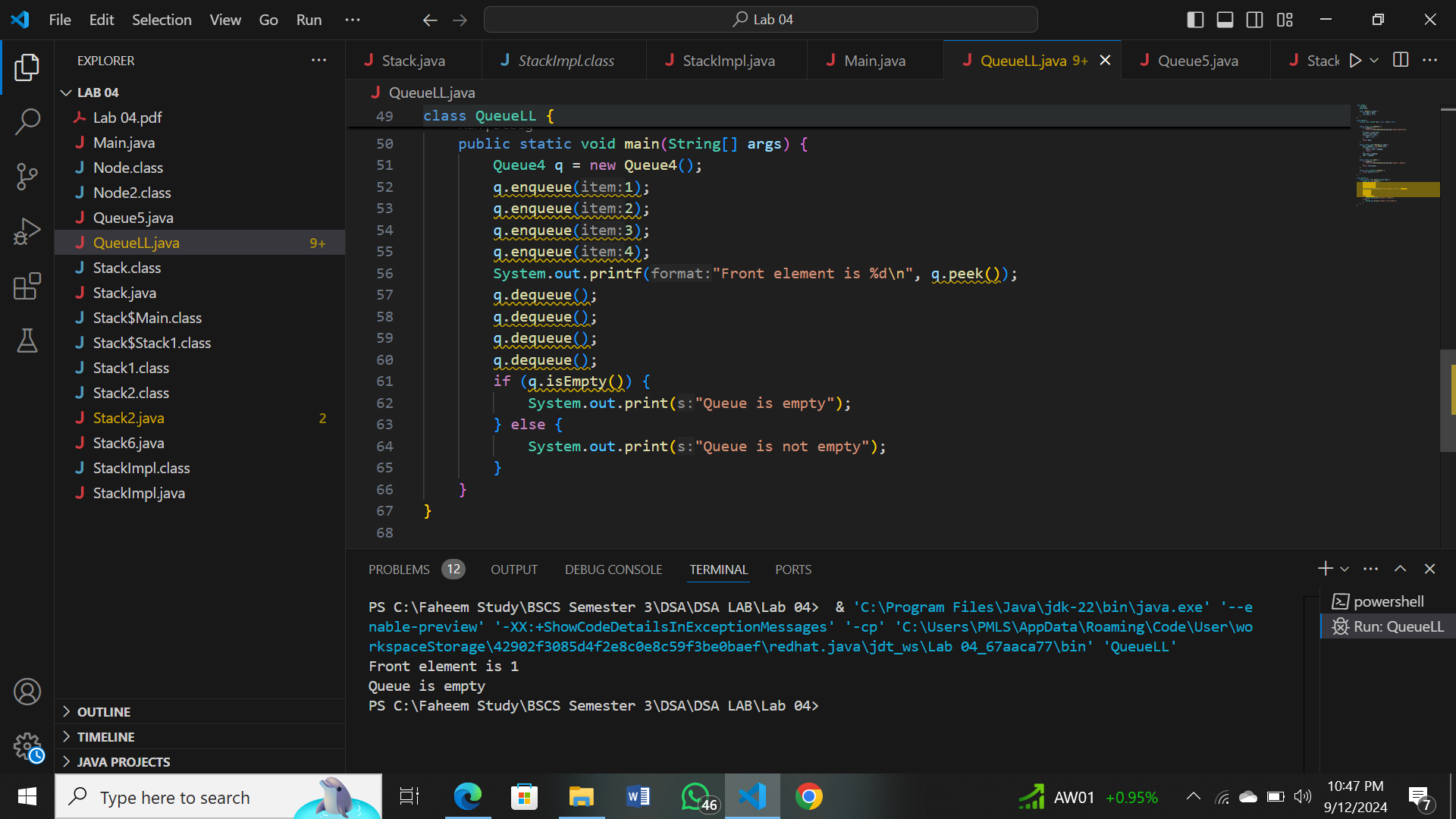
OUTPUT 3:  


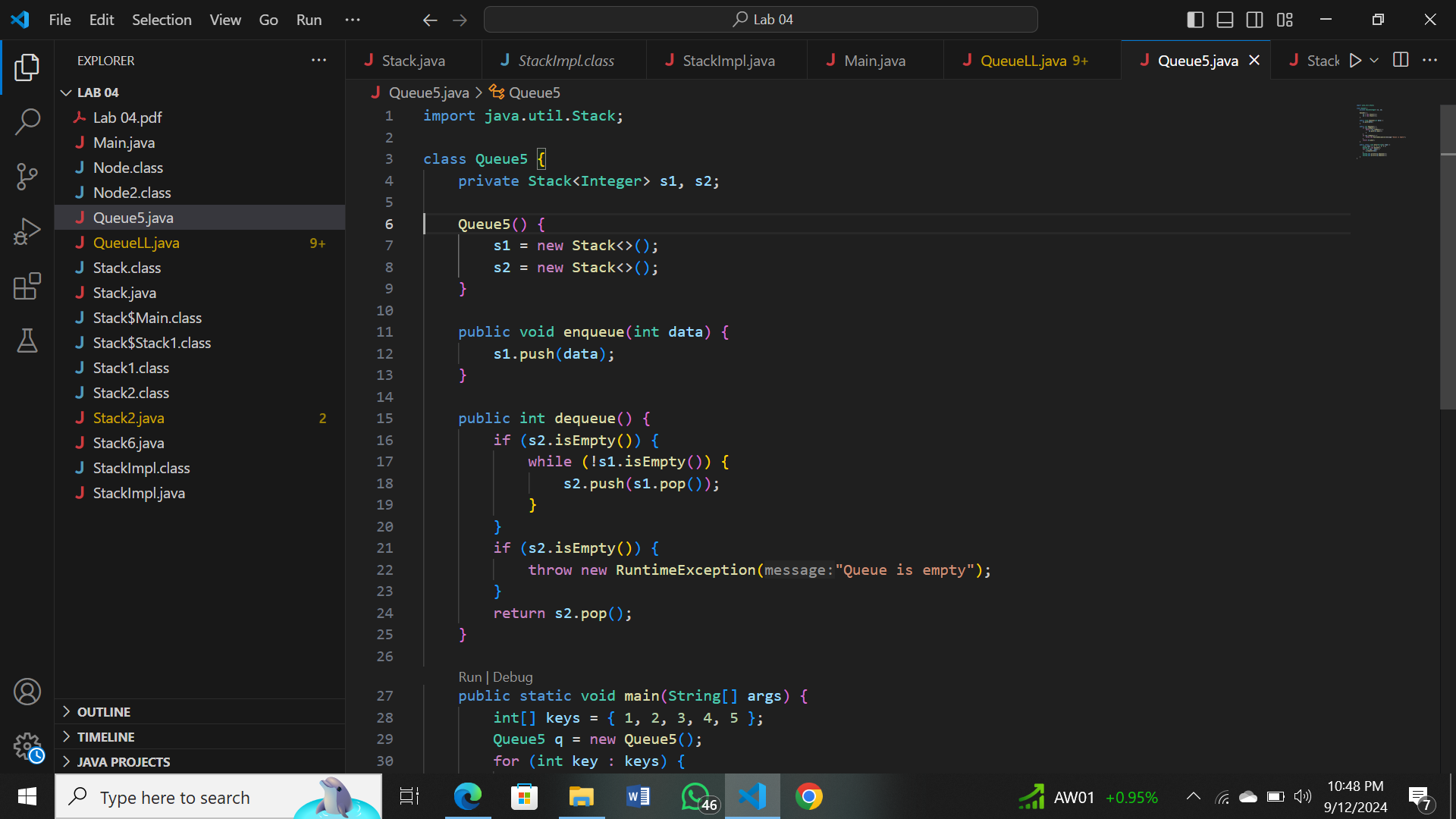
4. Queue using Linked list: Understand provided code and implement all required methods in Queue. Queue Code is given below:



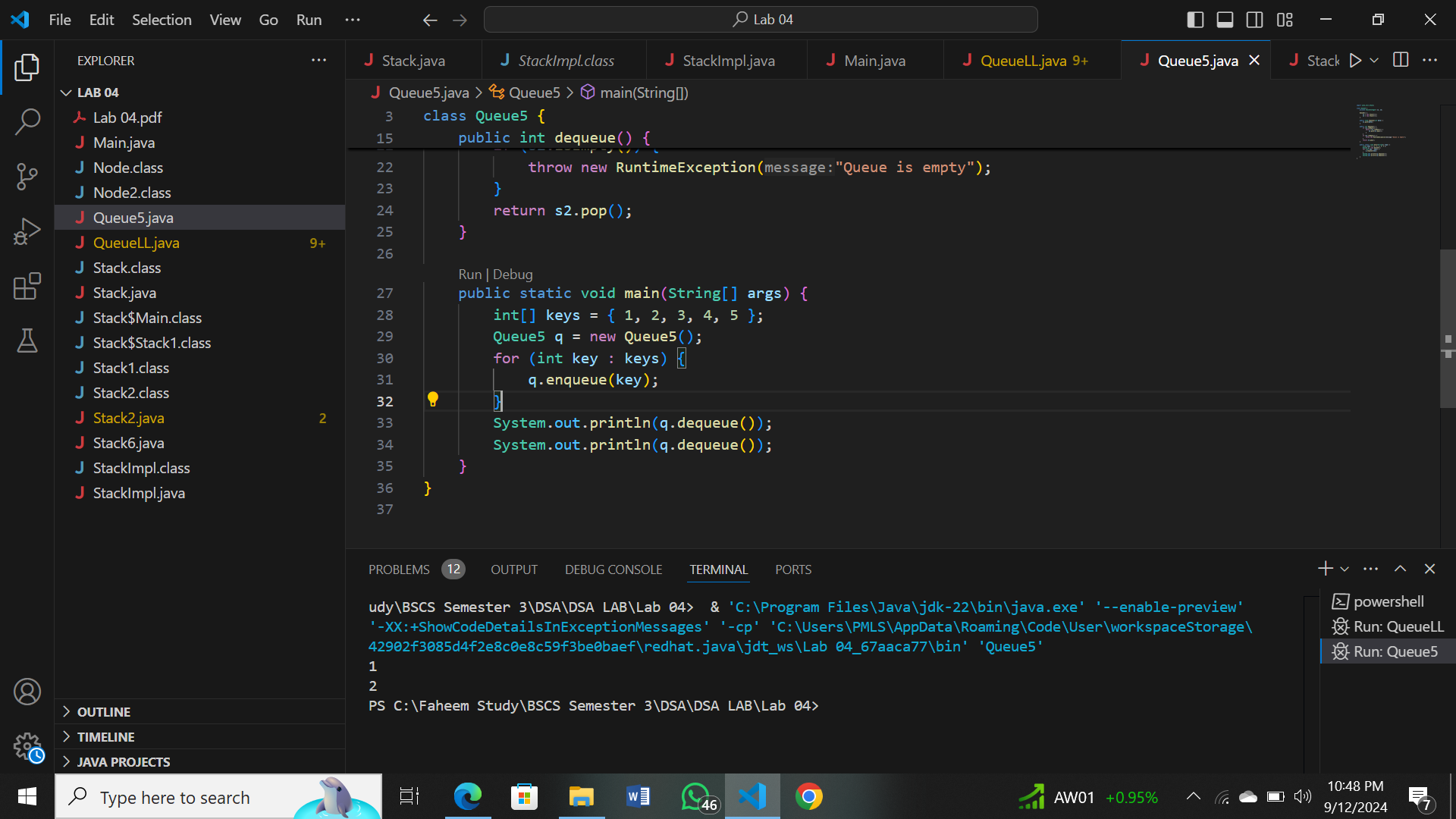


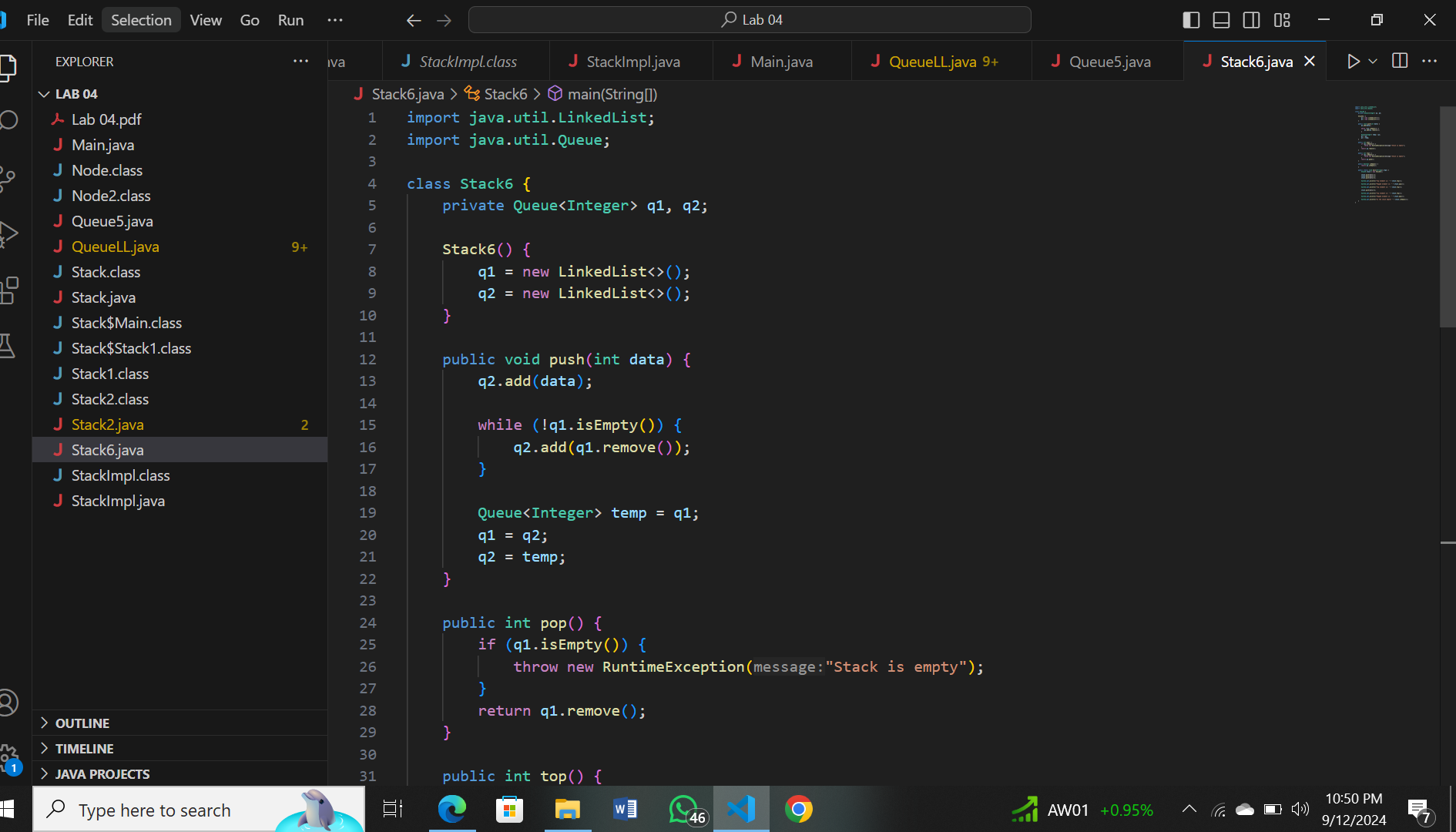
OUTPUT 4:

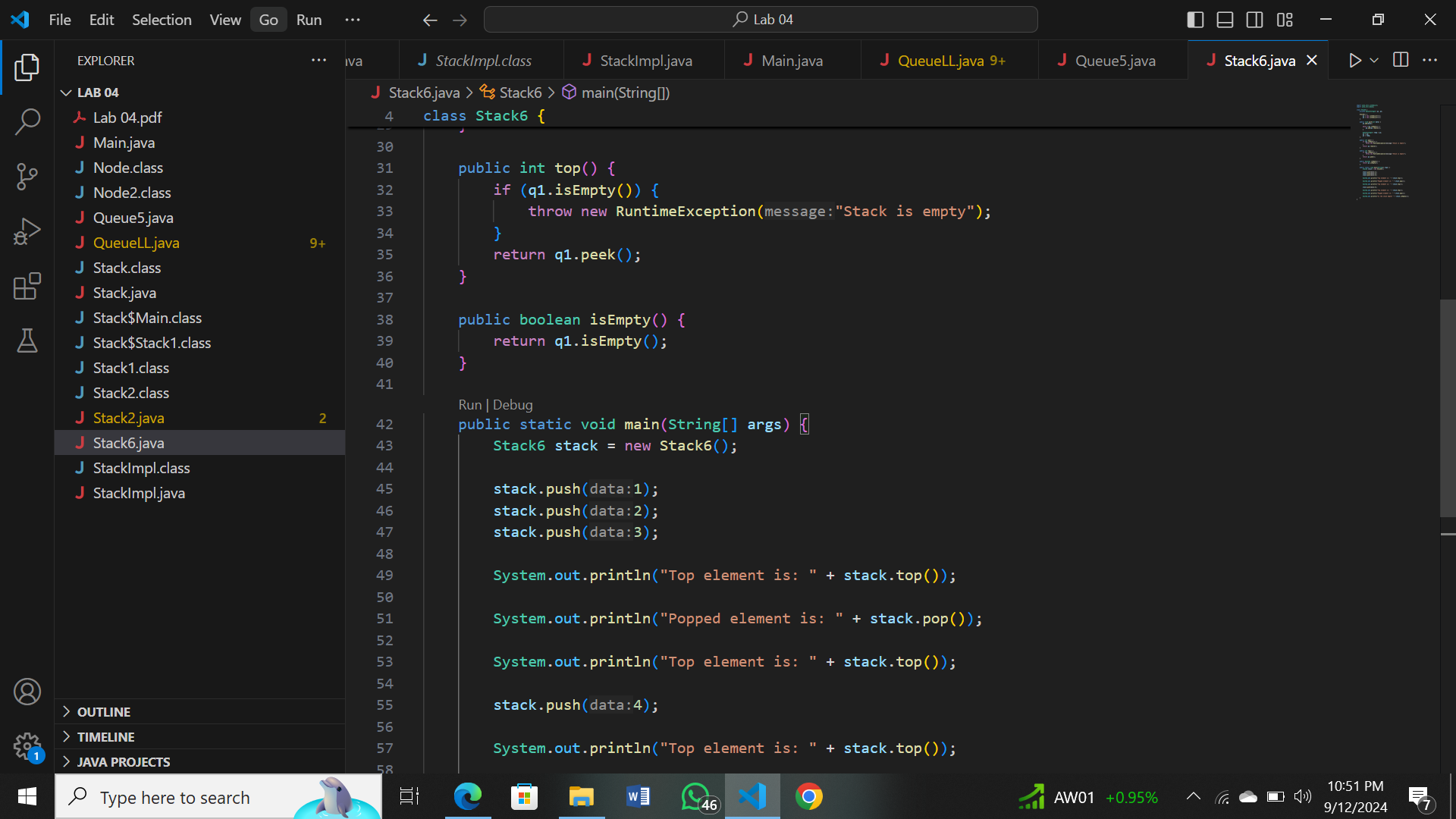


5. Queue using two Stacks: Understand provided code and implement all required methods in Queue Class. Sample Code is given below:  


OUTPUT:



6. Think about the inverse of task 05 (Stack using queue) and implement all the required methods.  




OUTPUT 6:

