**Name:** Palak Doshi

**SAP ID:** 500123198

**Batch:** 04

**Roll No:** R2142230121

**DAA Assignment**

**Pattern-Questions:**

1. Pyramid (Star)



1. Inverted Right Half Pyramid(Star)



1. Right Half Pyramid(Star)



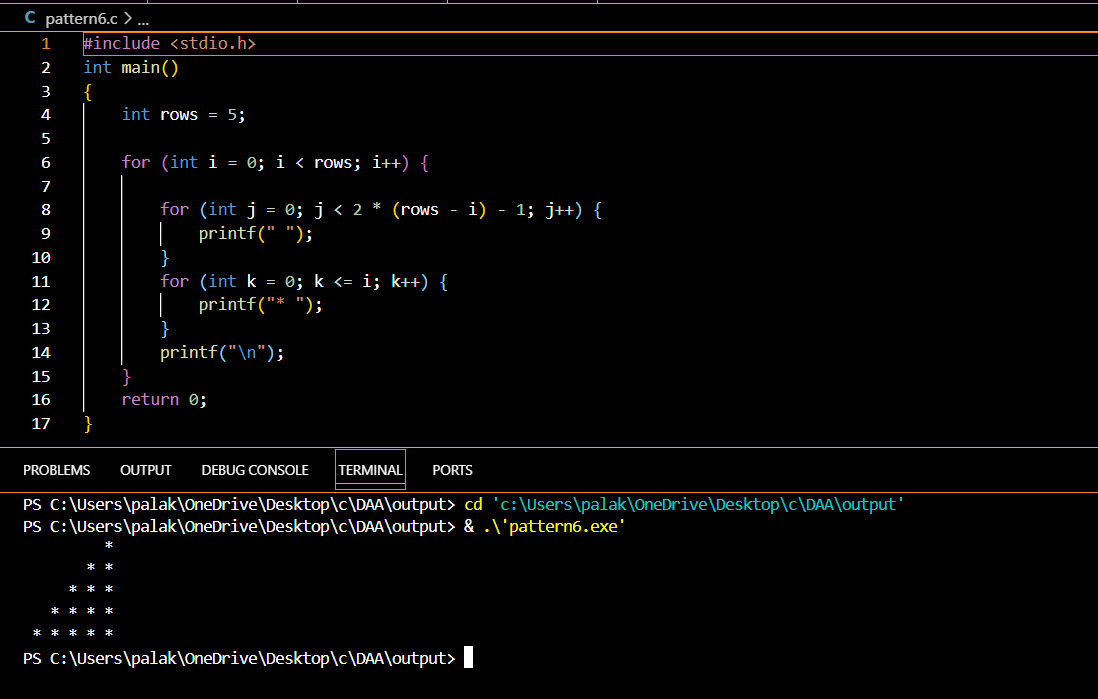
1. Square (Star)



1. Left Half Pyramid(Numbers)



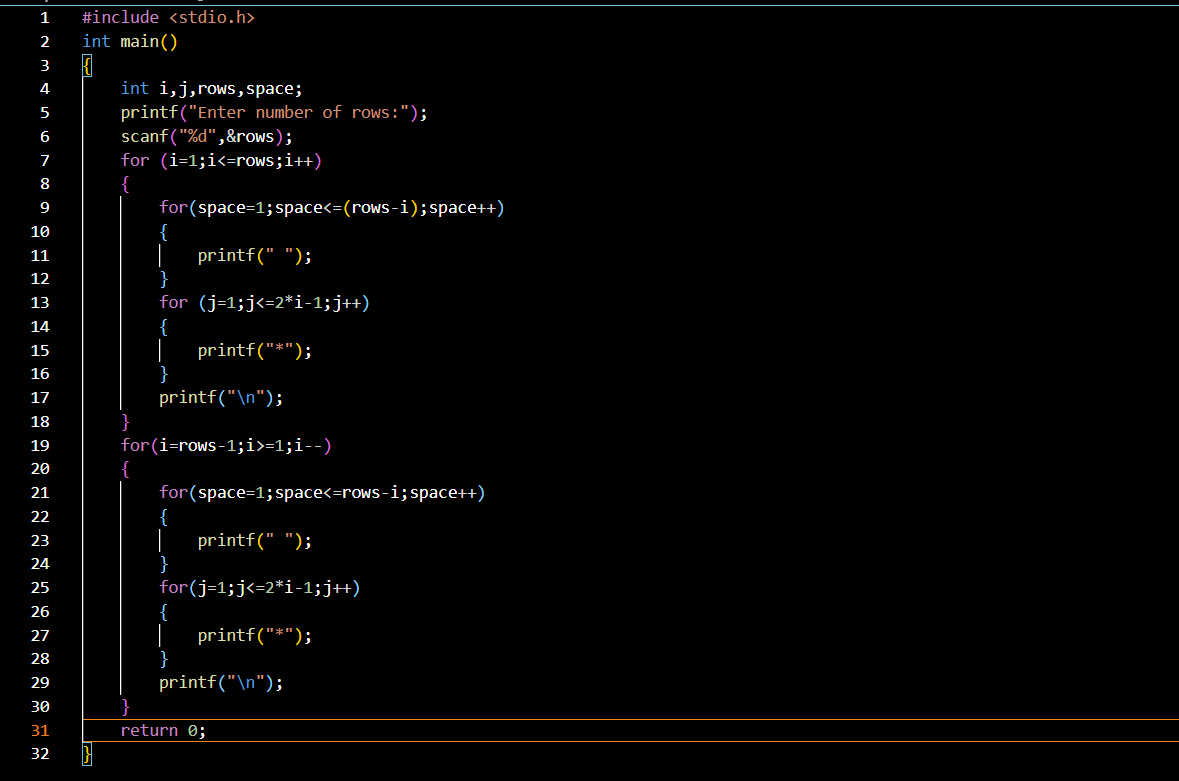
1. Left Half Pyramid(Star)

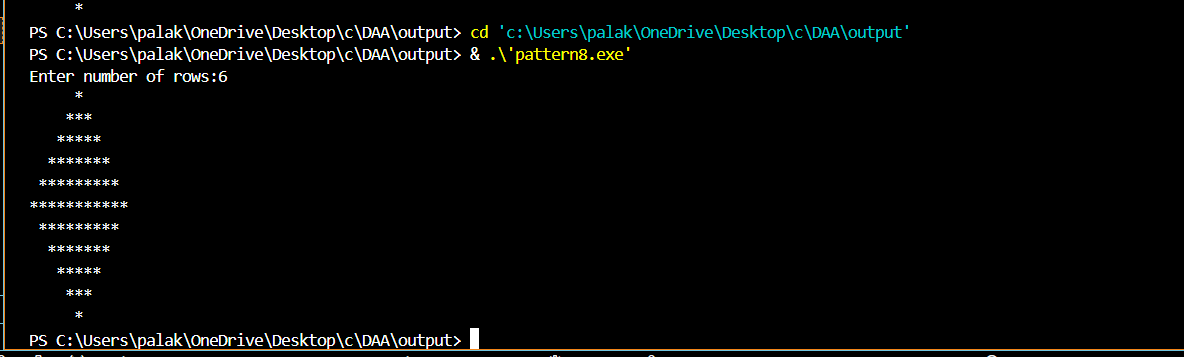


7. Inverted Pyramid(Star)

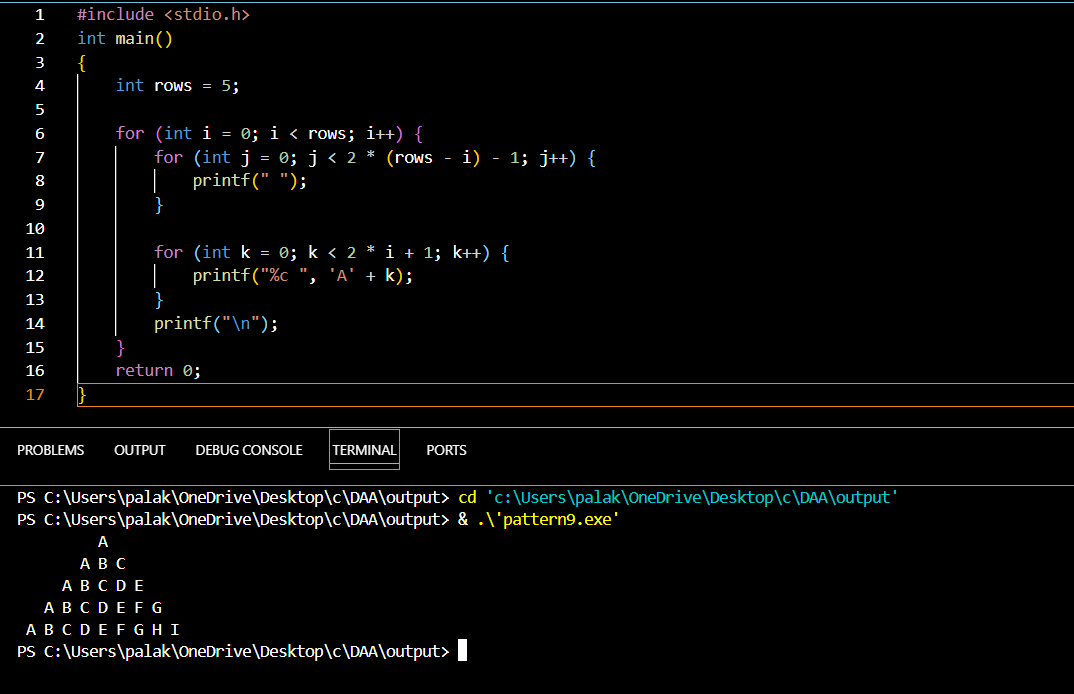


8. Diamond Pyramid

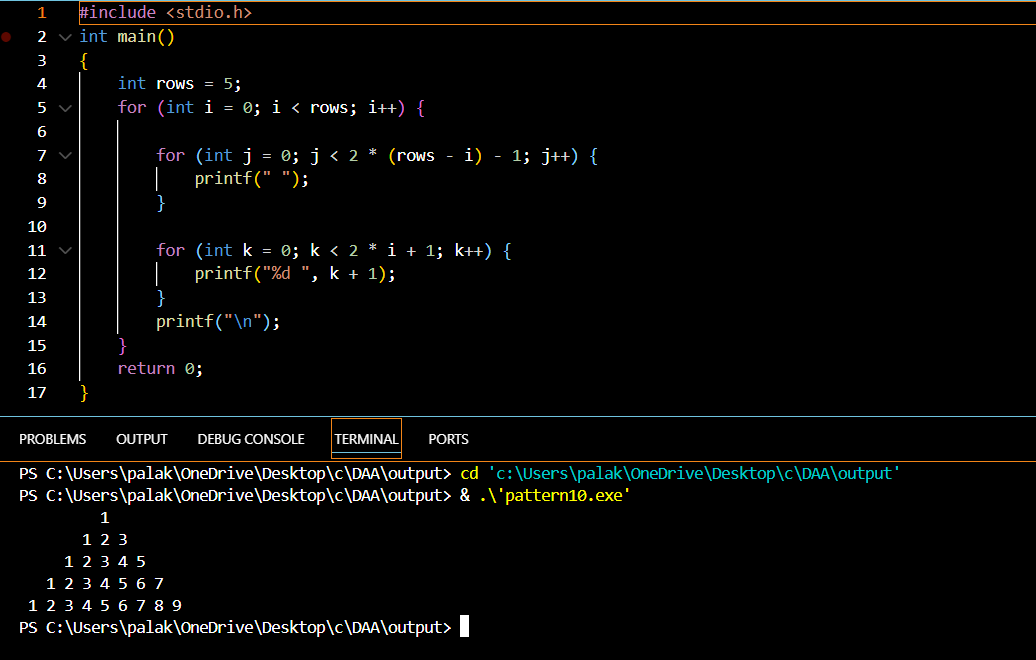




9. Full Pyramid(Alphabets)



10. Full Pyramid(Numbers)



11. Inverted Right Half (Numbers)



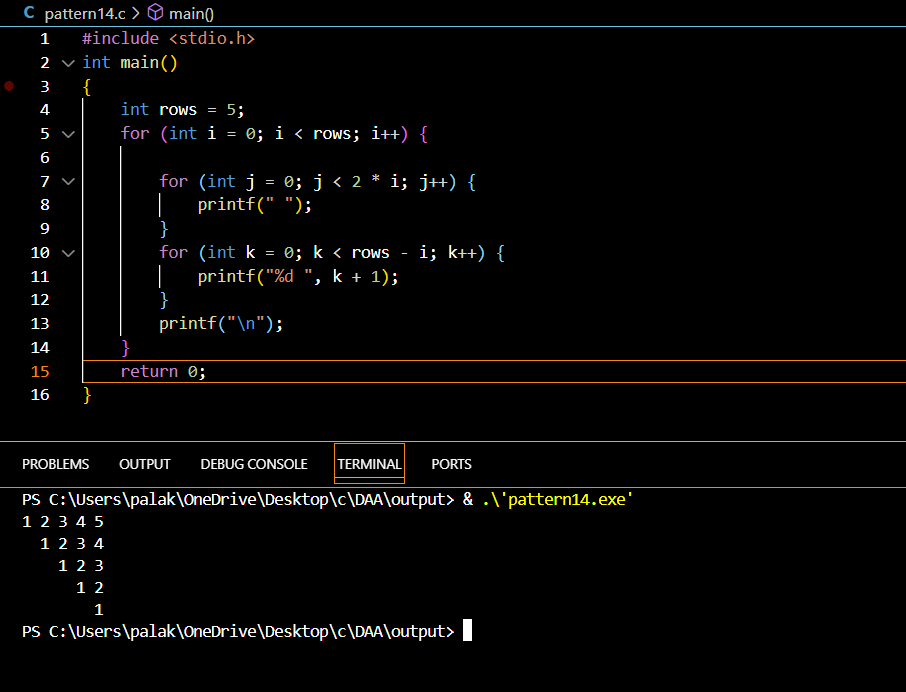
12. Inverted Right Half (Alphabets)



13.Inverted Left Half (Star)



14.Inverted Left Half (Numbers)



15.Inverted Left Half (Alphabets)



16. Inverted Pyramid(Numbers)



17. Inverted Pyramid(Alphabets)



18.Rhombus (Star)



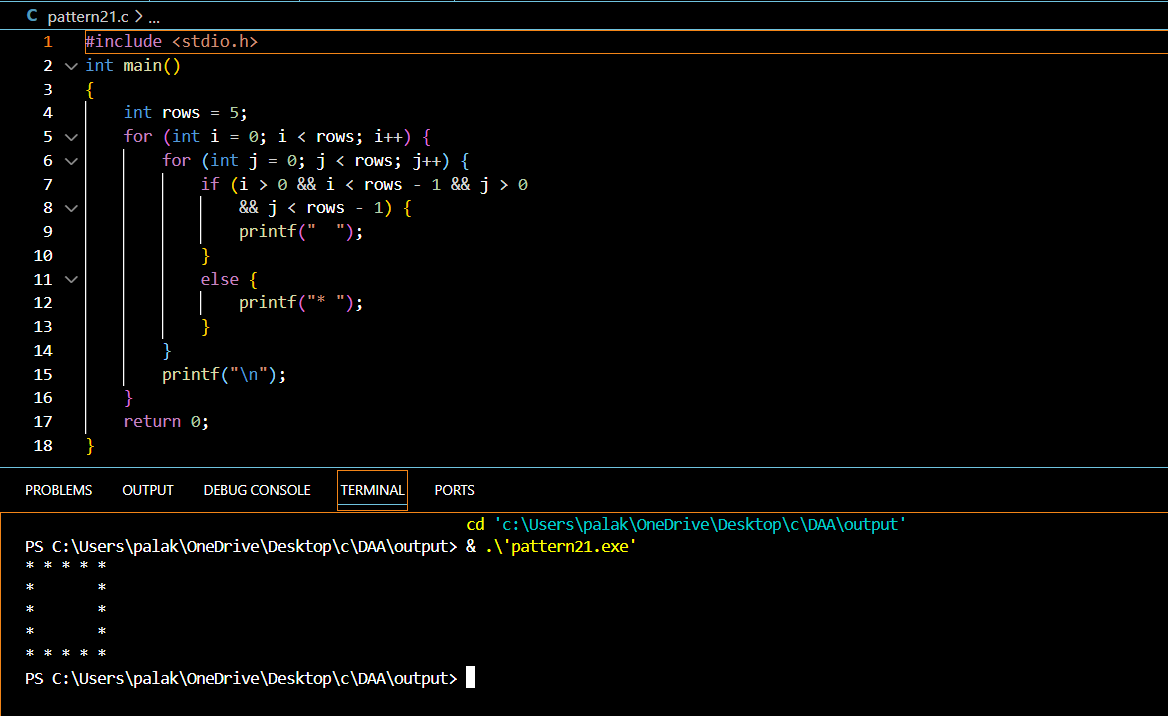
19.Rhombus (Number)



20.Rhombus (Alphabet)



21. Hollow Square (Star)



22. Hollow Square (Number)



23.Hollow Square (Alphabet)



24. Hollow Full Pyramid(star)



25. Hollow Full Pyramid(Number)



26.Hollow Full Pyramid(Alphabet)



27. Hollow Inverted Full Pyramid(Star)



28. Hollow Inverted Full Pyramid(Numbers)



29. Hollow Inverted Full Pyramid(Alphabets)

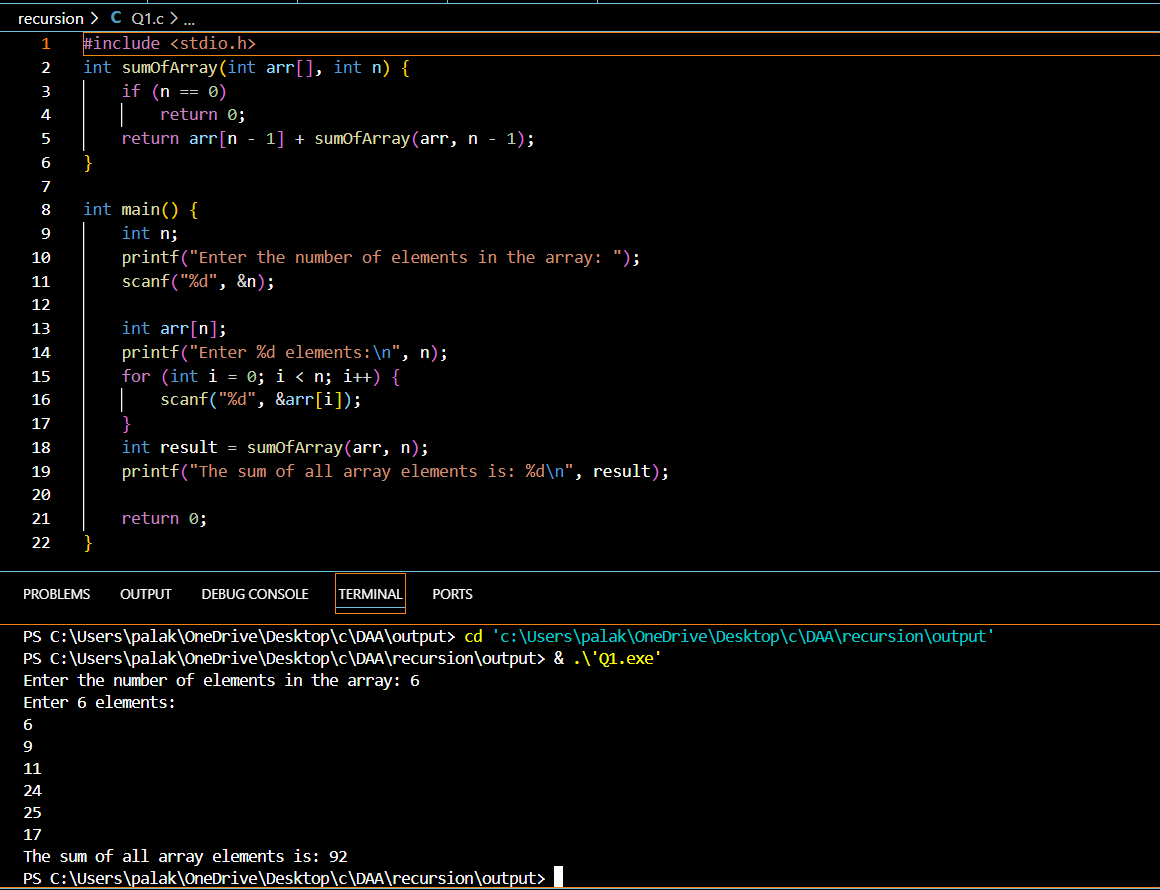


30. Pascal’s Triangle

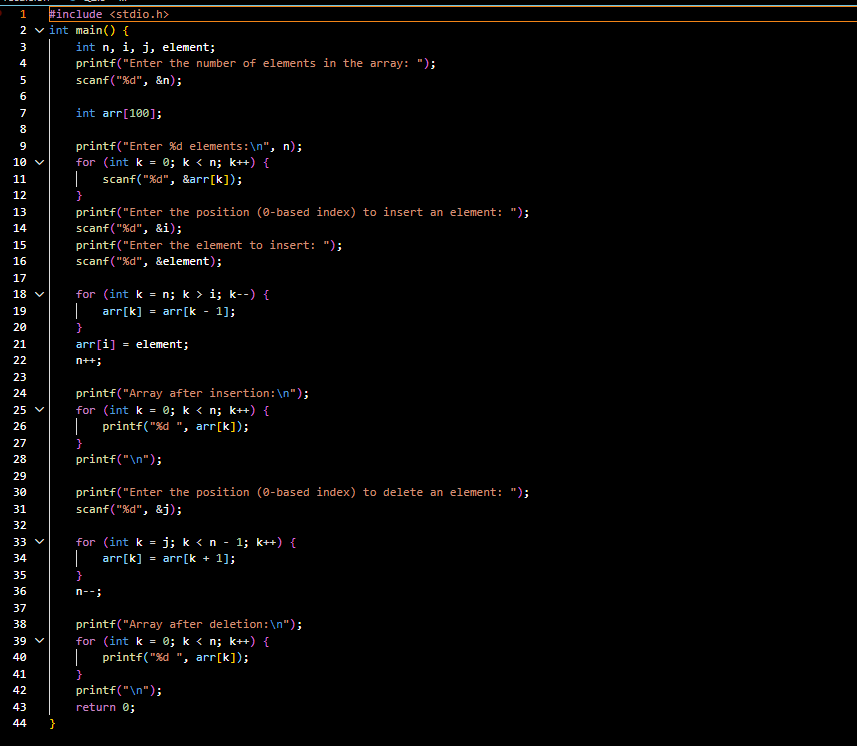


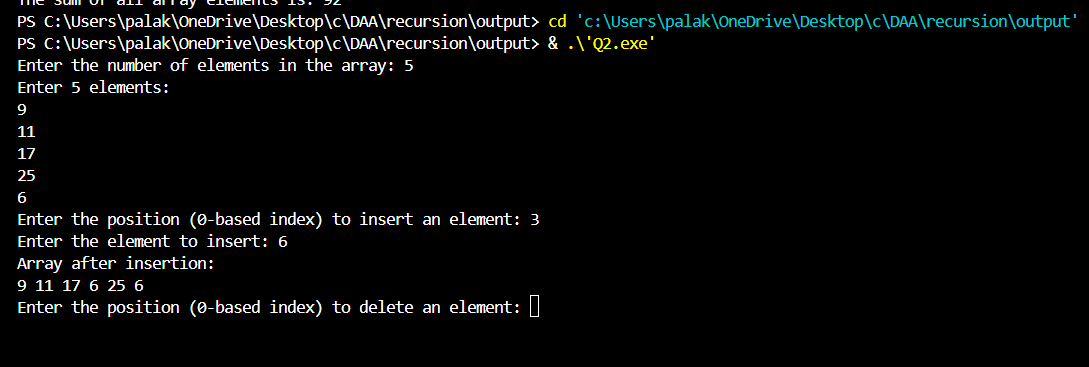
**RECURSION PROBLEMS**

1. Sum of Array

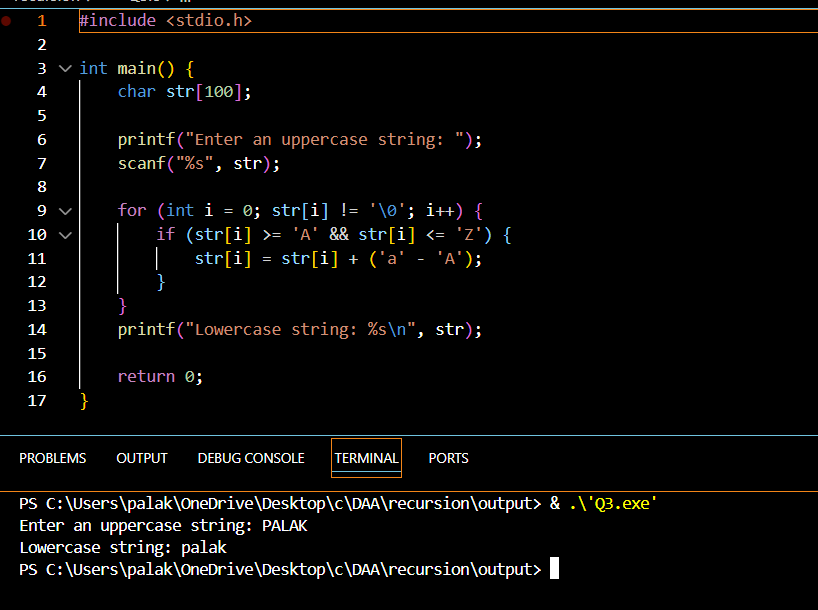


**2.**

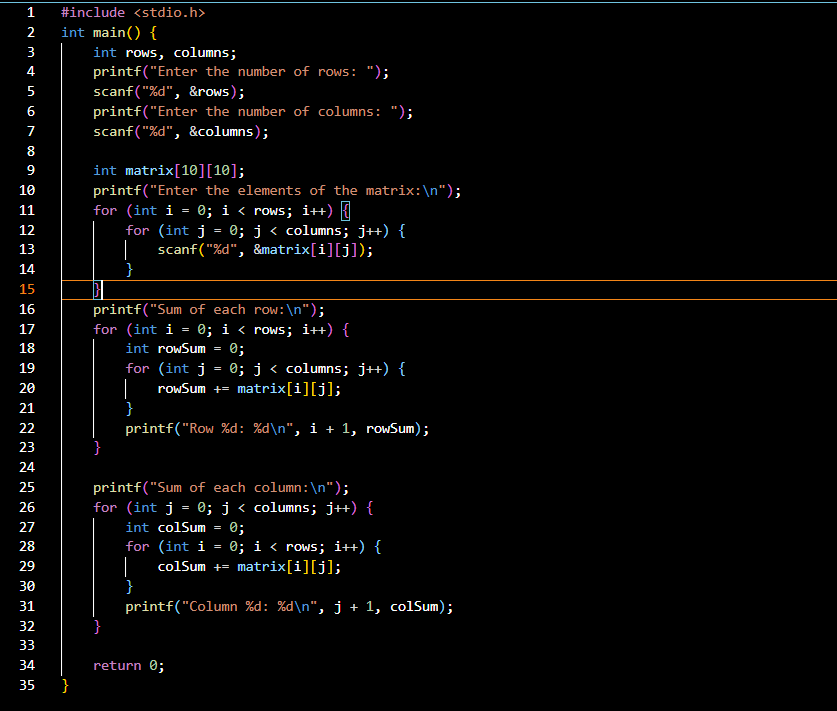




3.

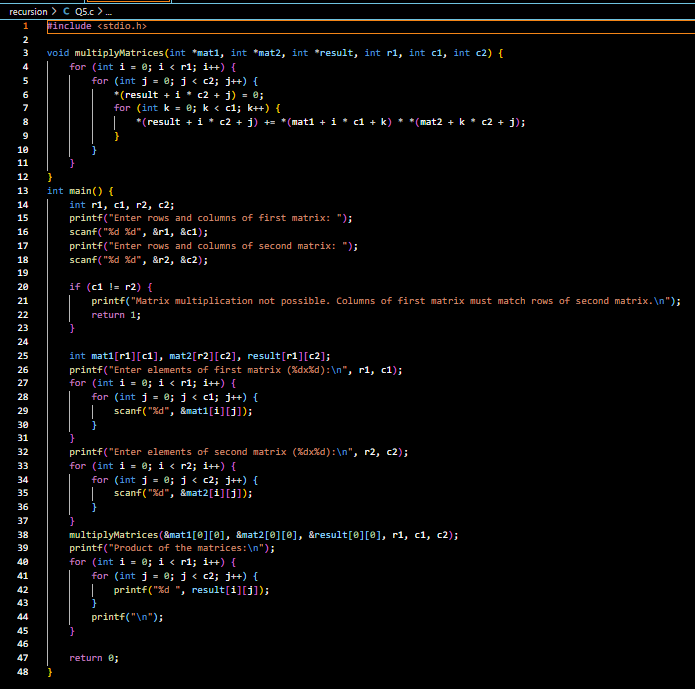


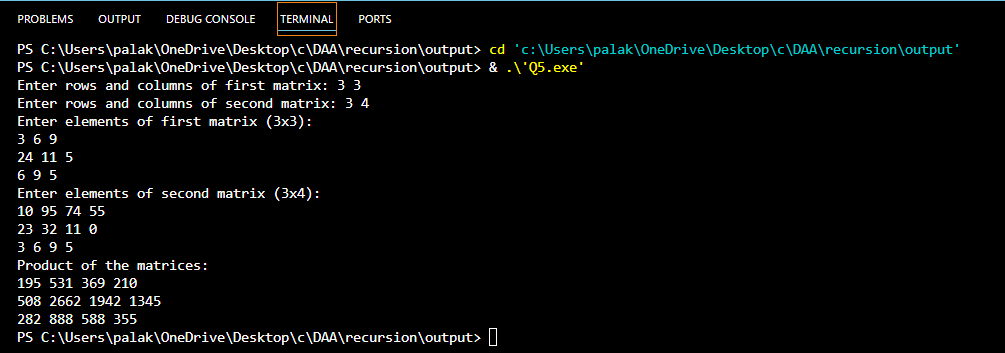
4.



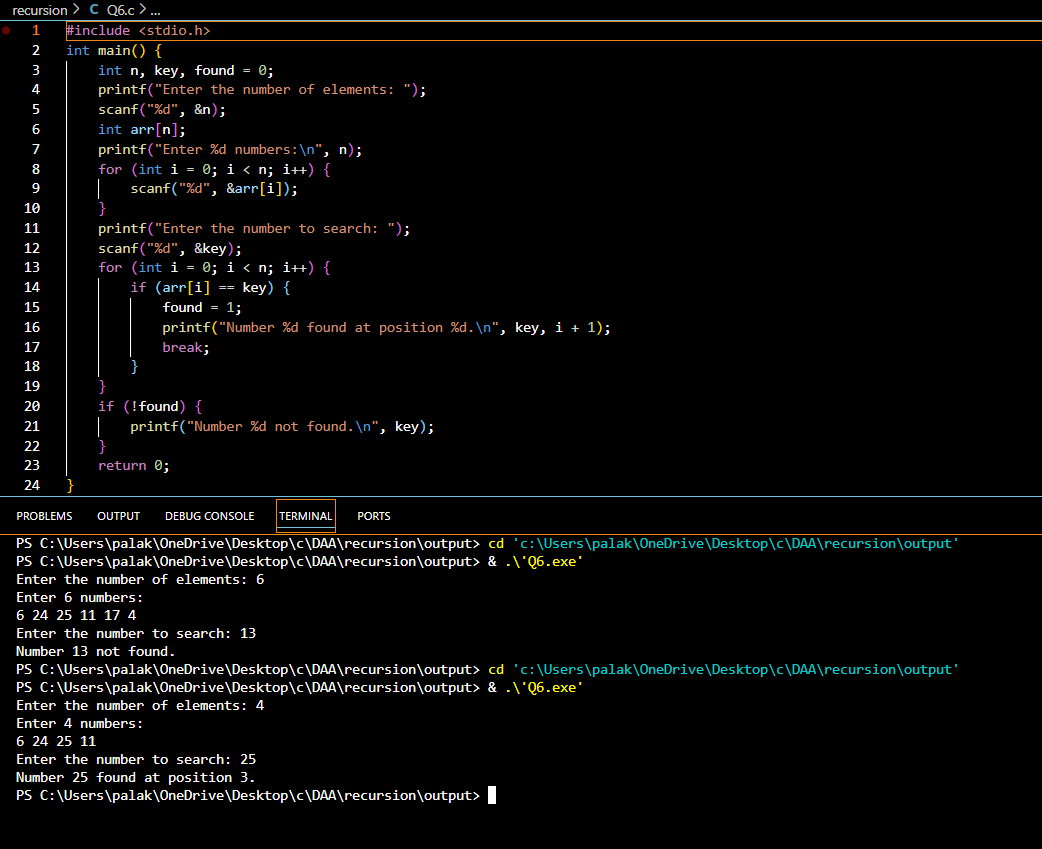


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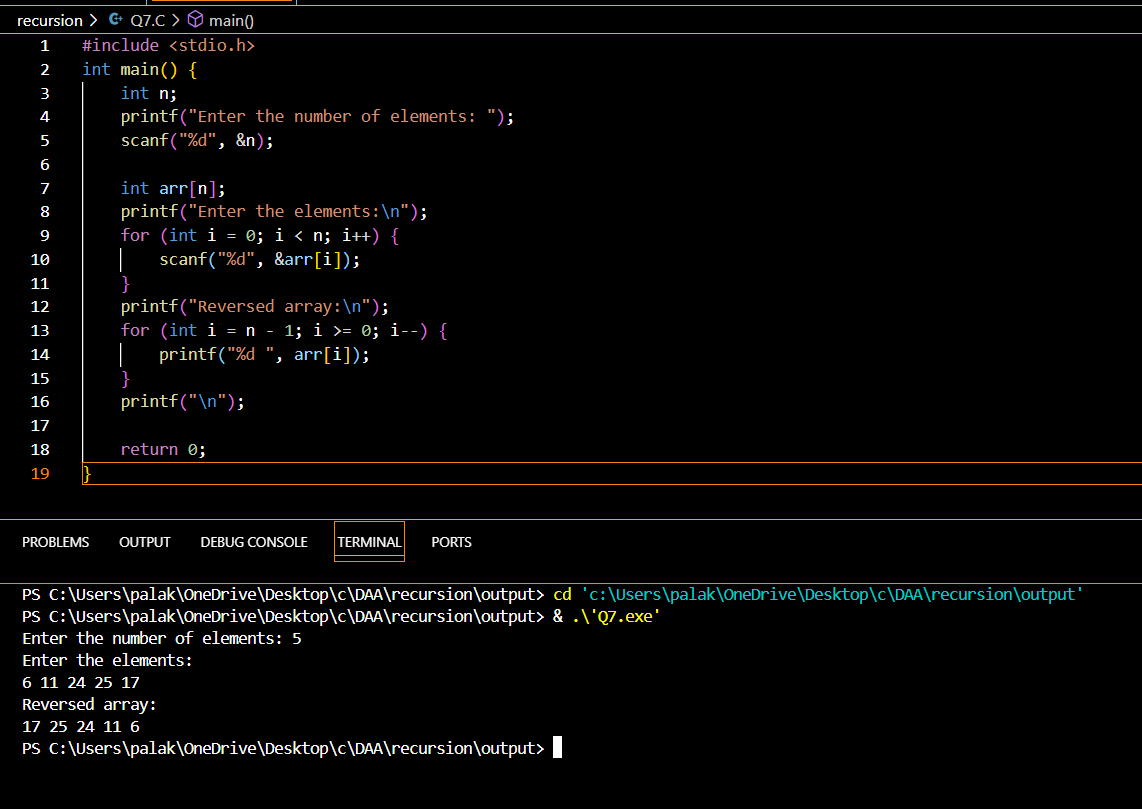




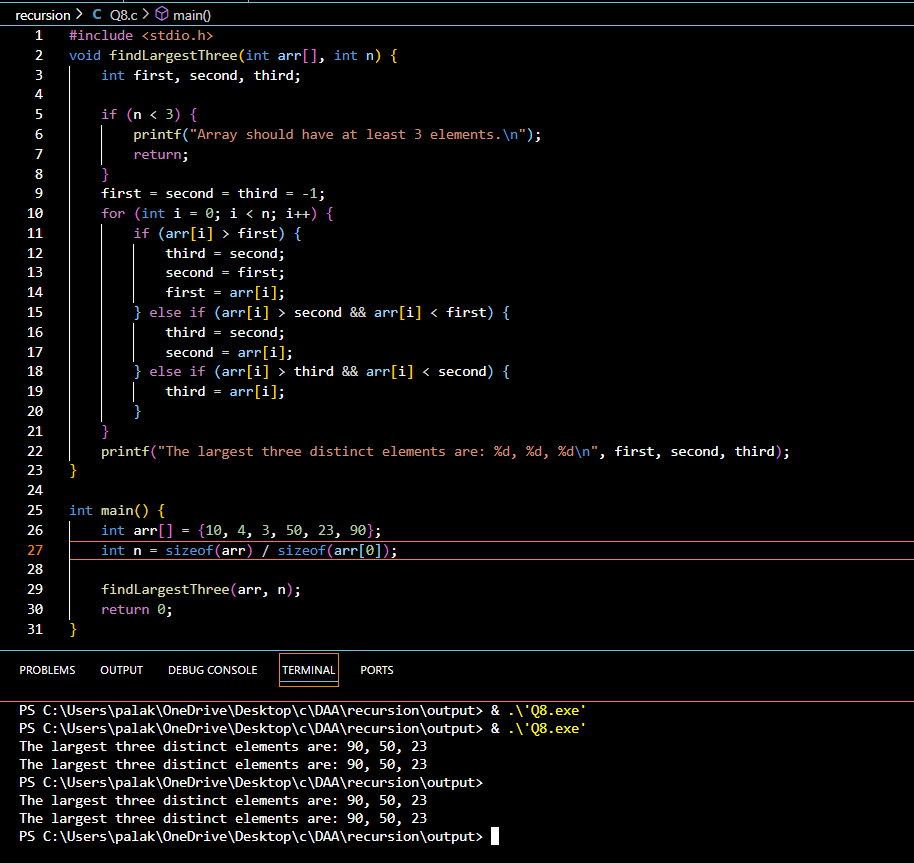
6.



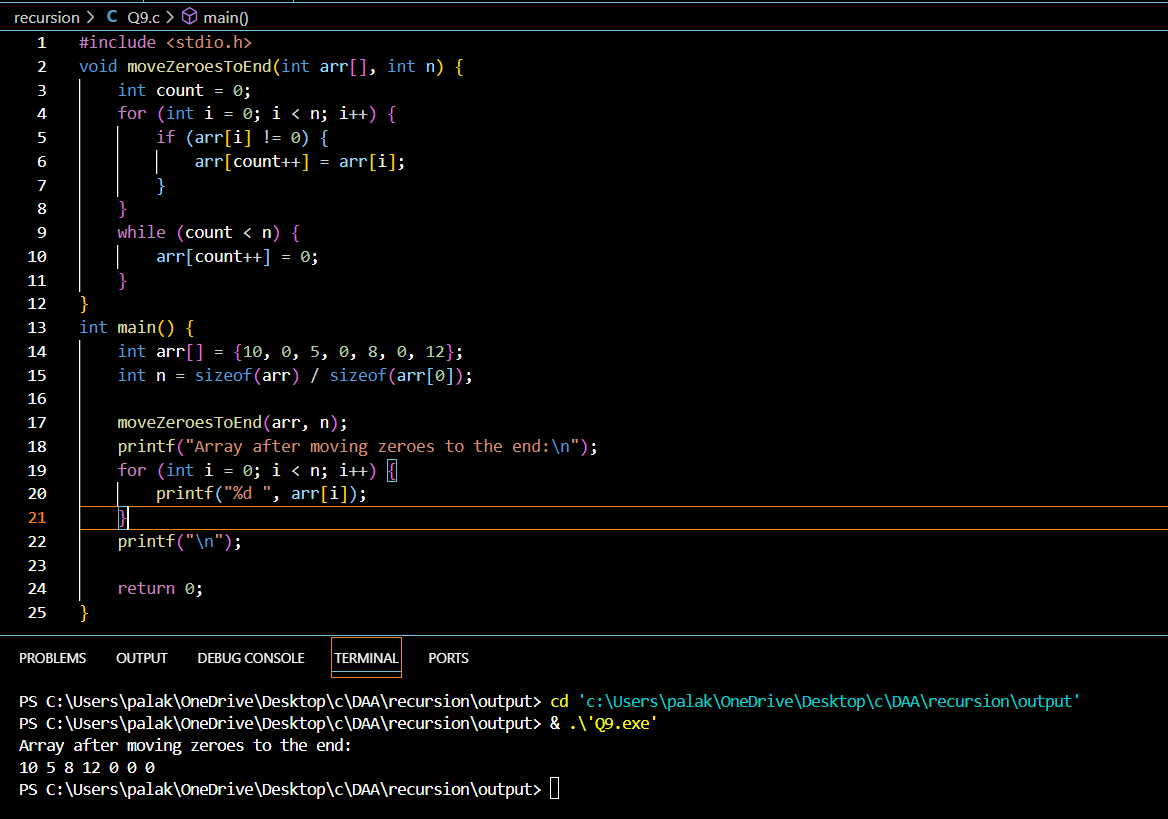
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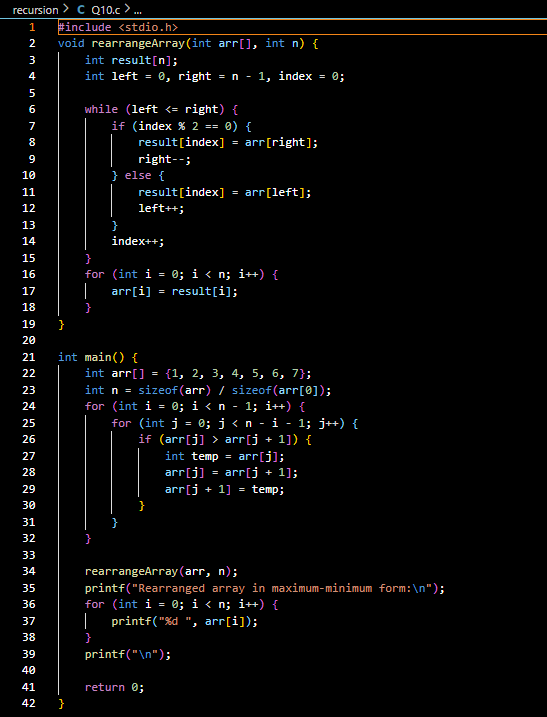
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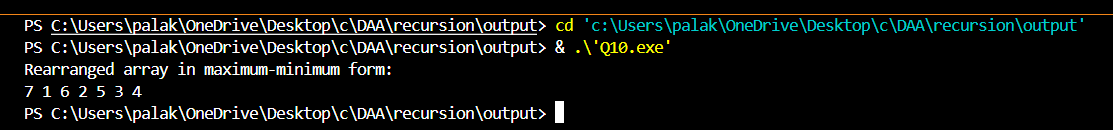


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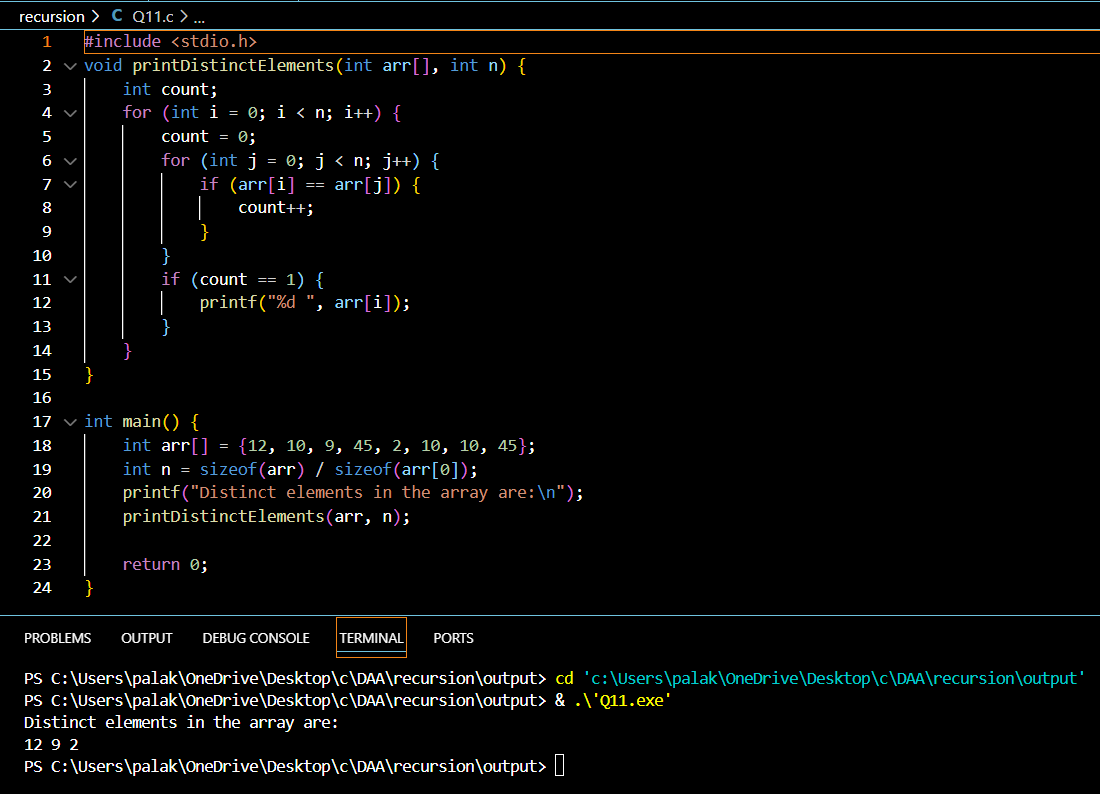


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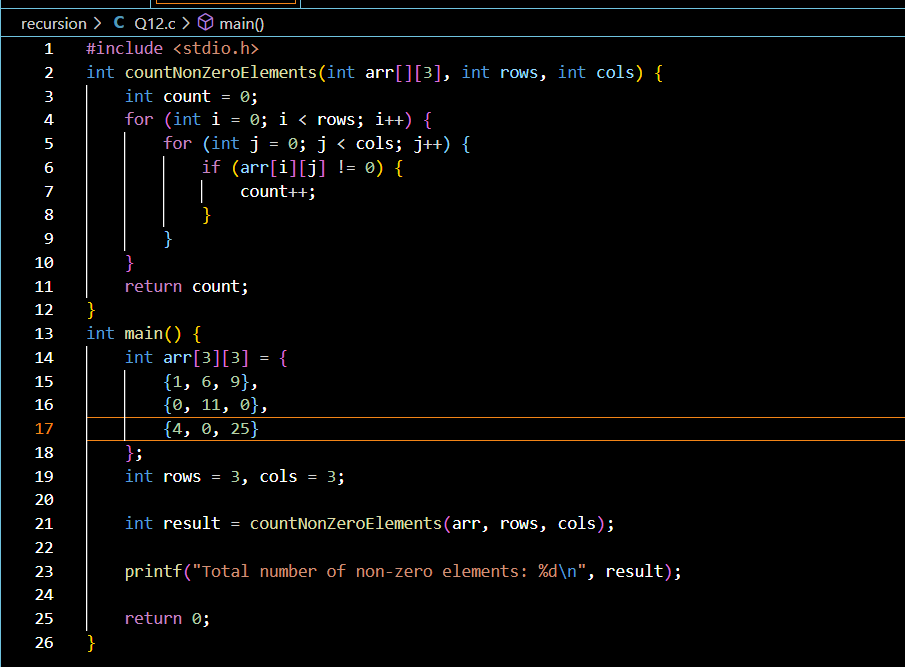


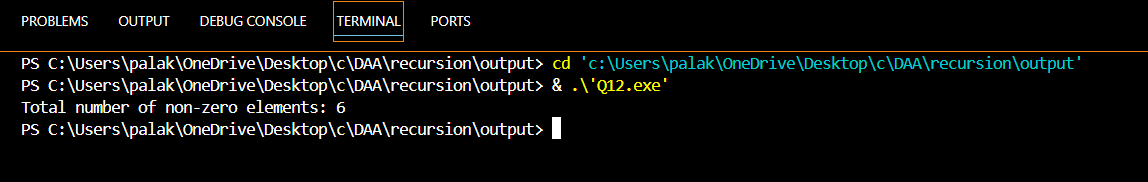


11.

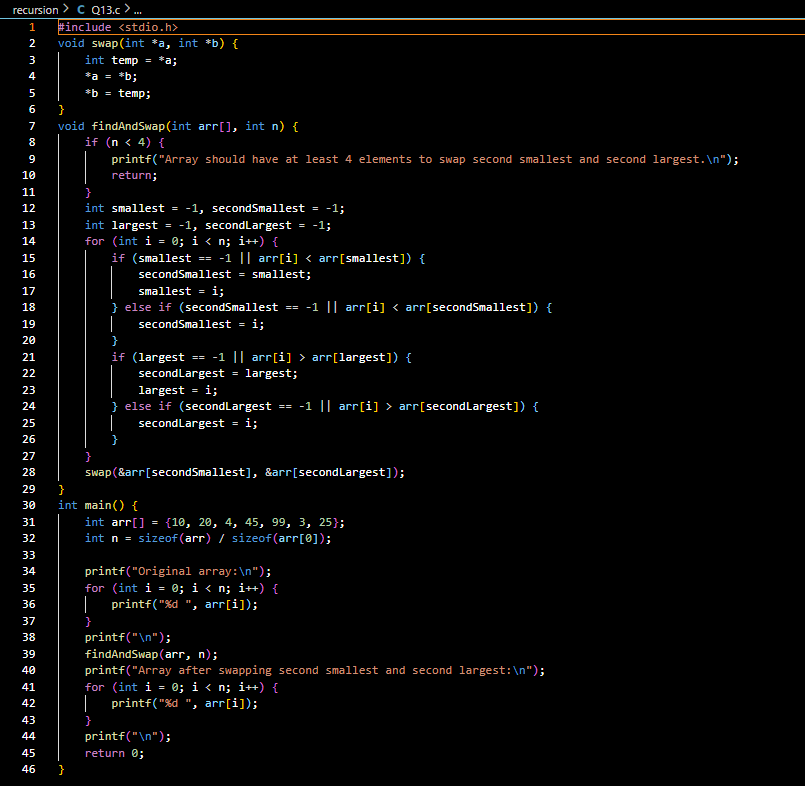


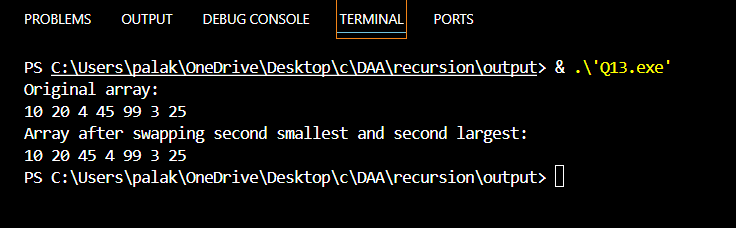
12.





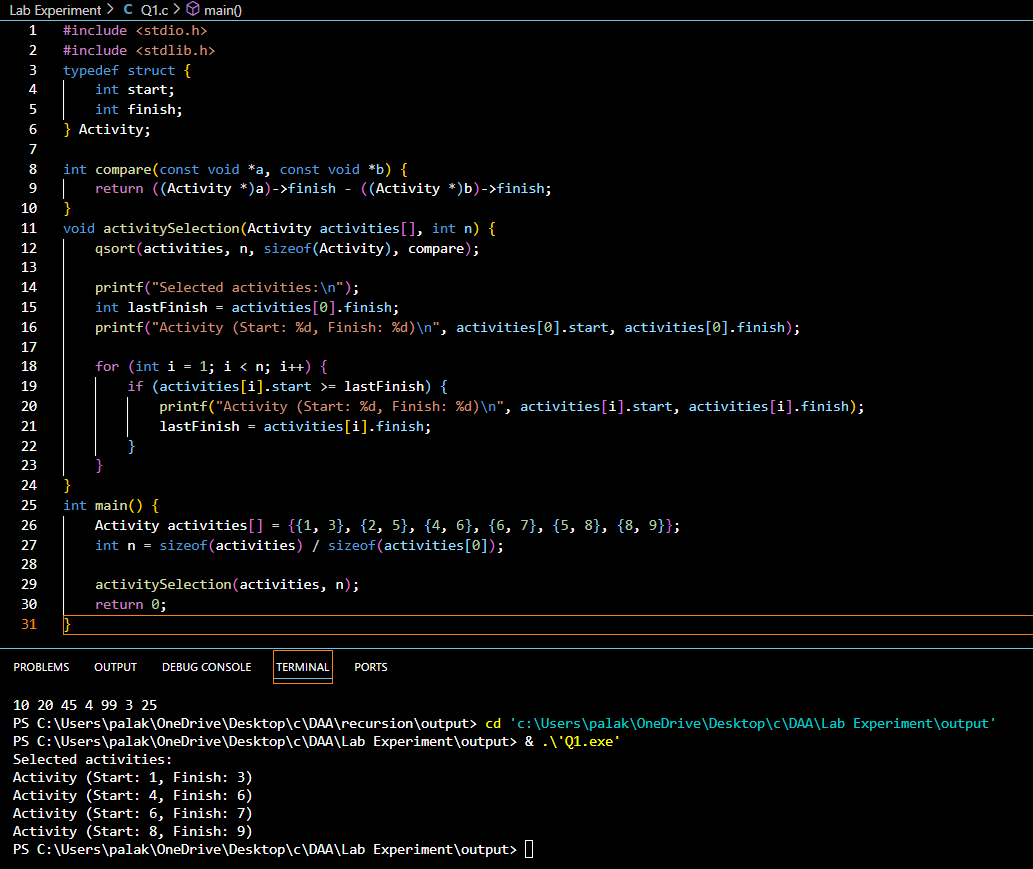
13.



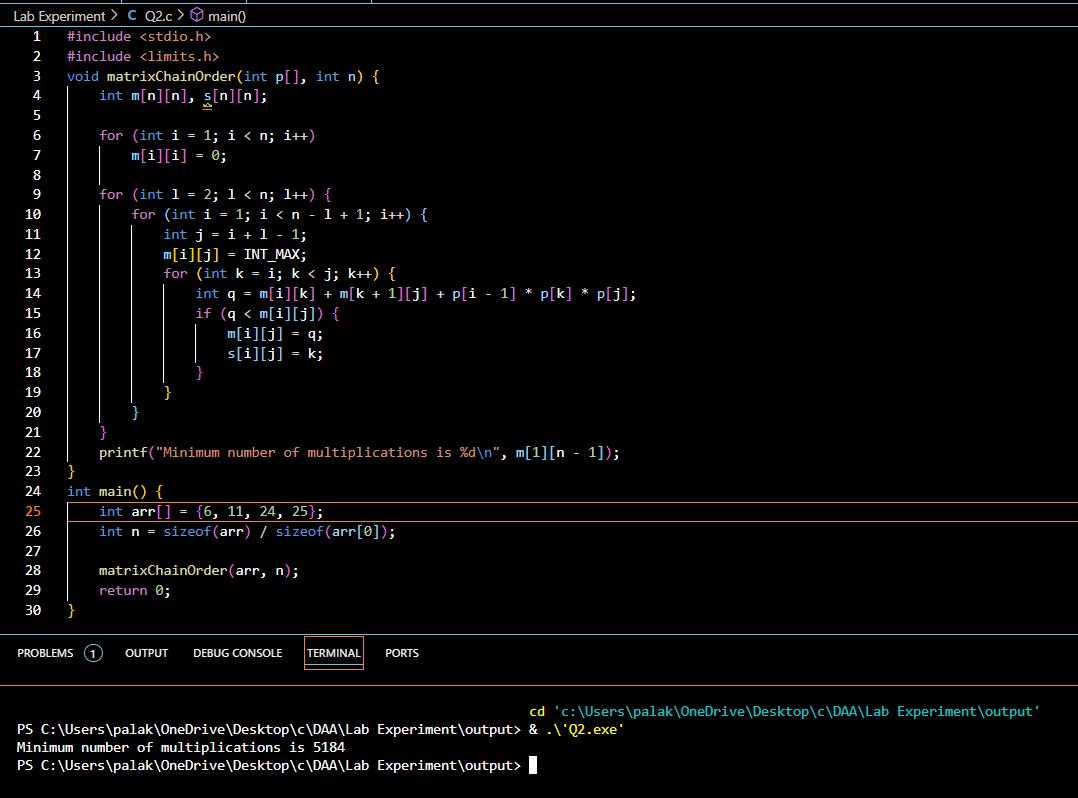


**LAB EXPERIMENTS:**

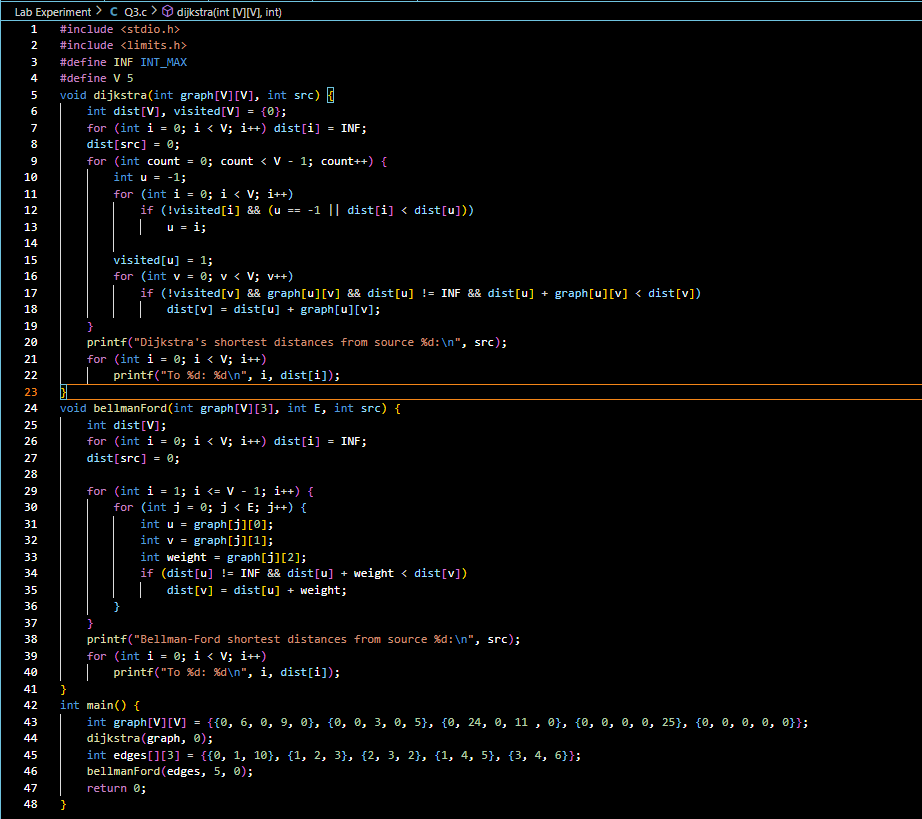
**1.**

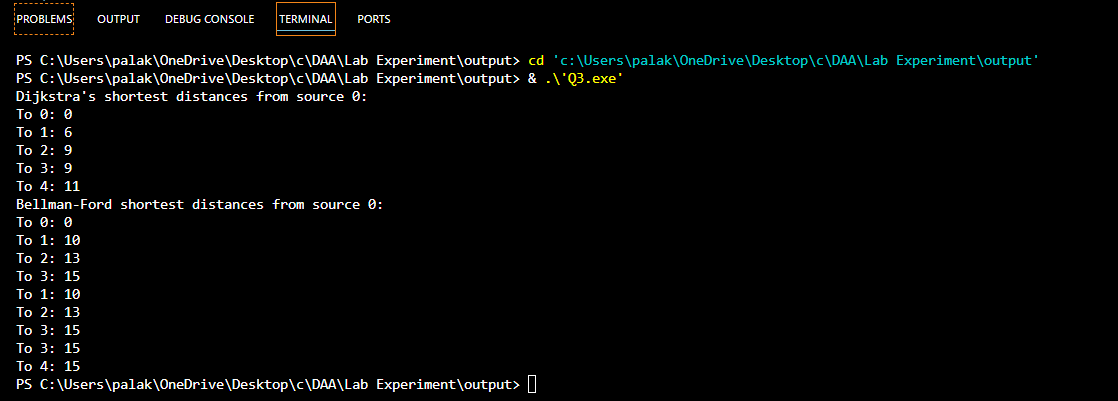
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**2.**

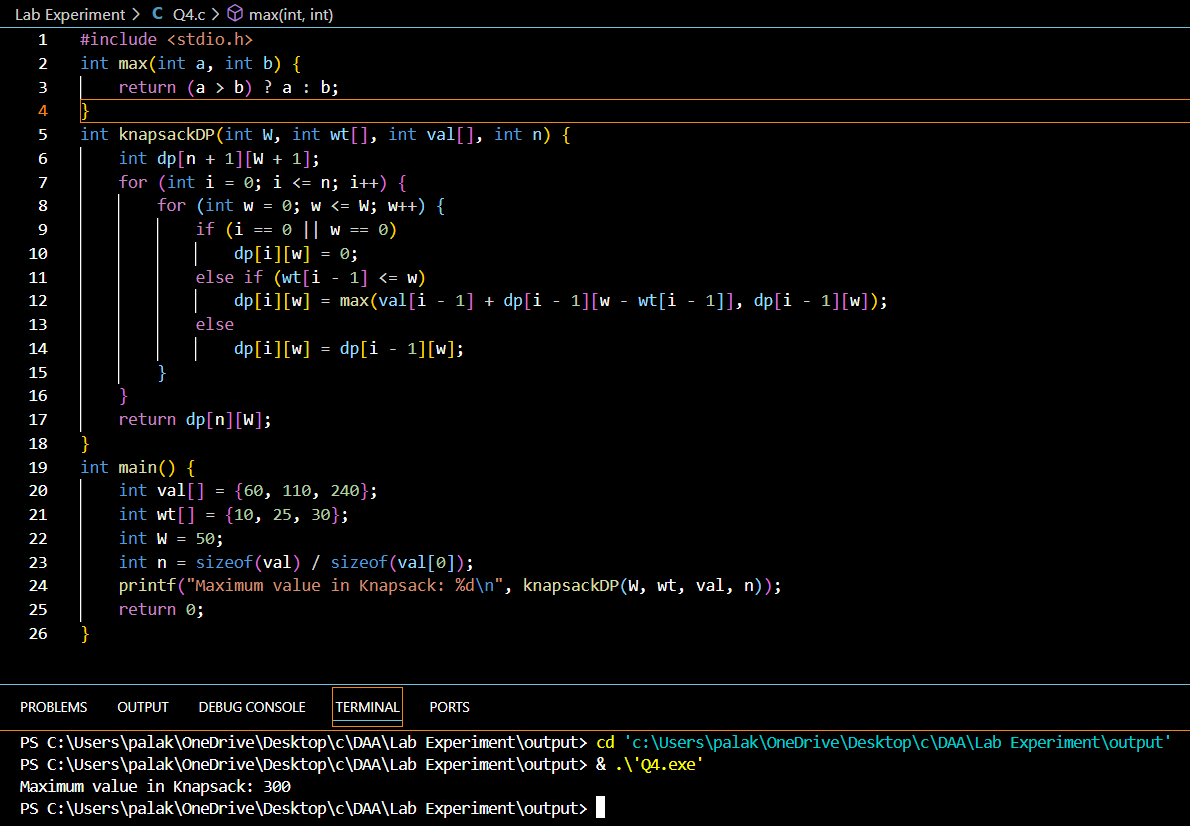
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**3.**

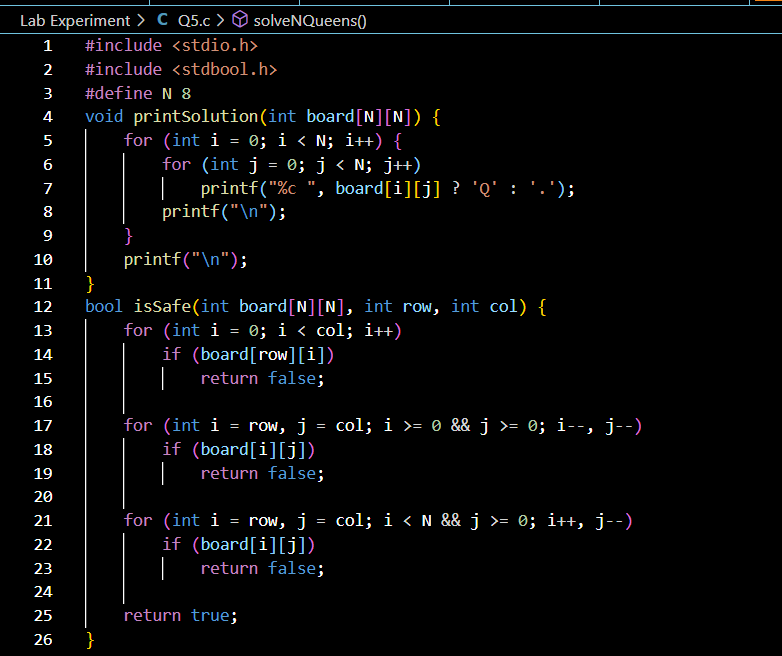
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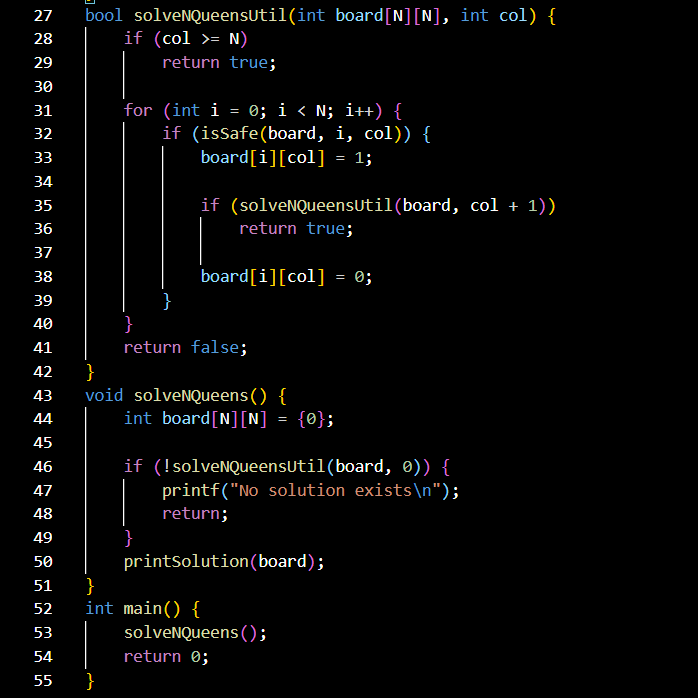
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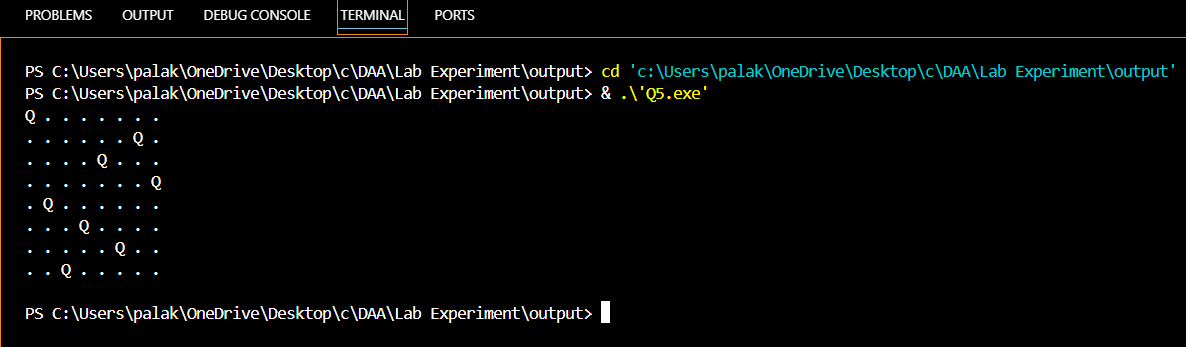
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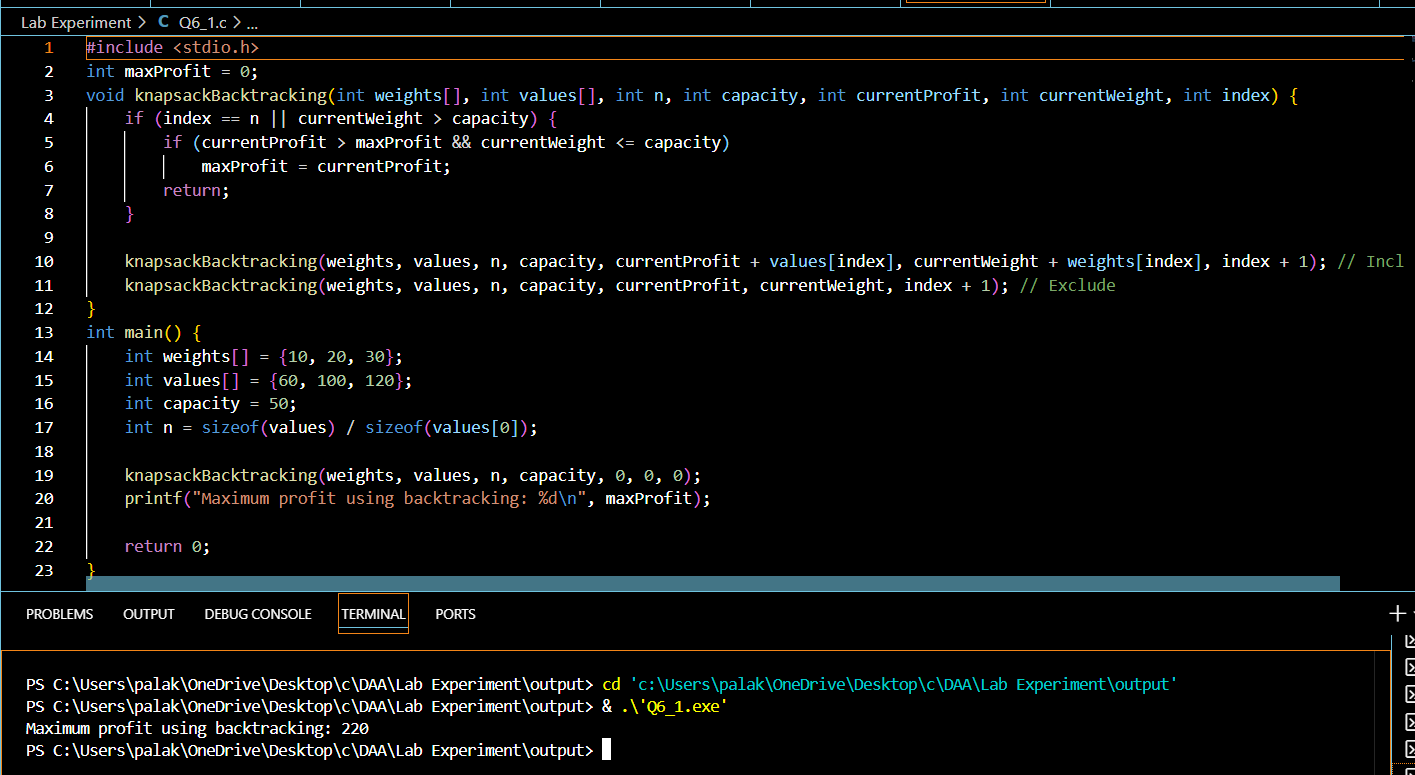
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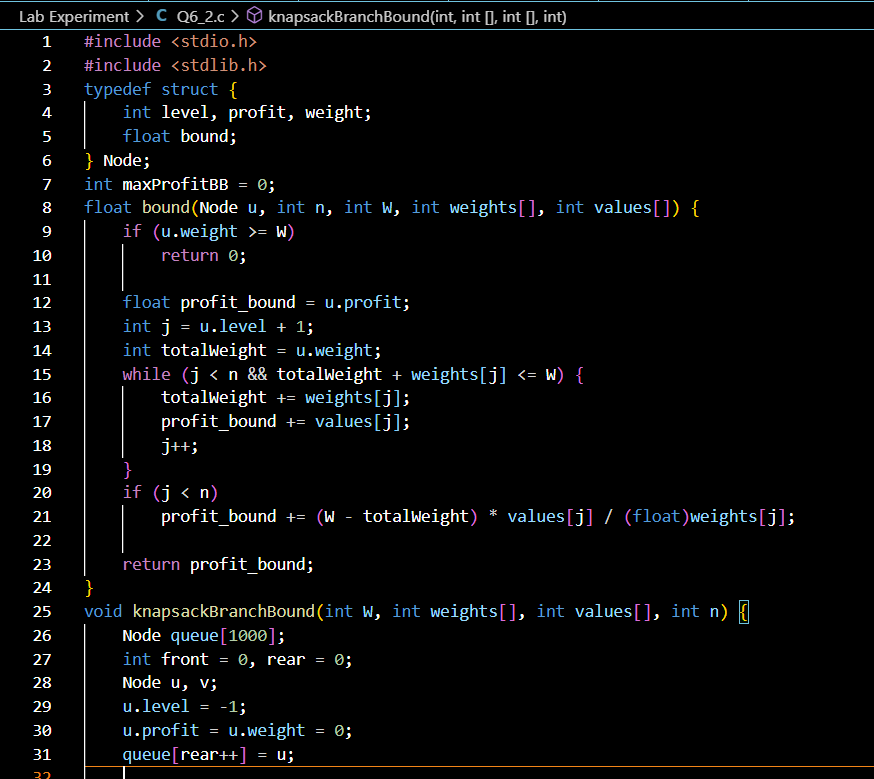
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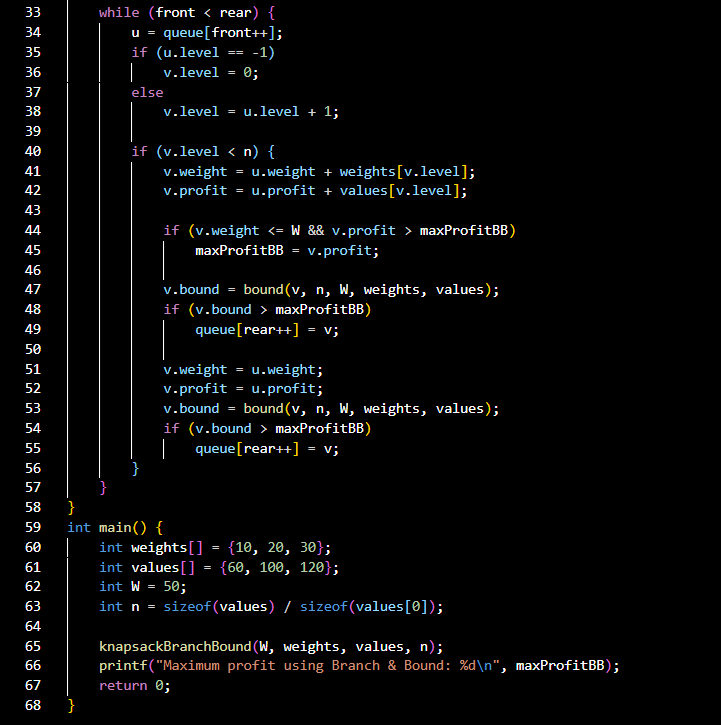
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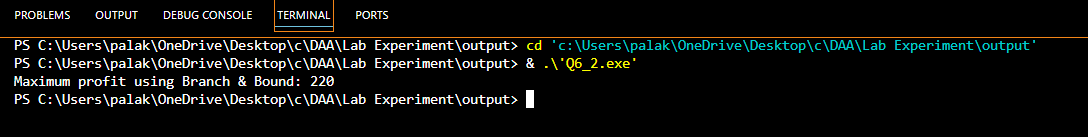
**6.1**

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**6.2**

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