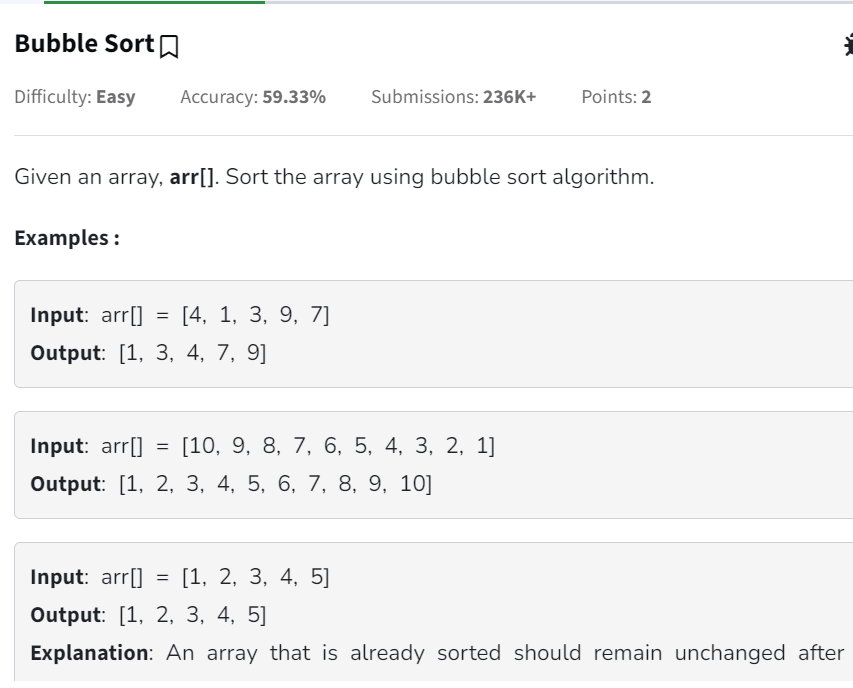
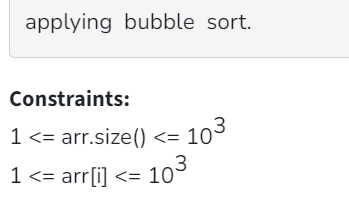
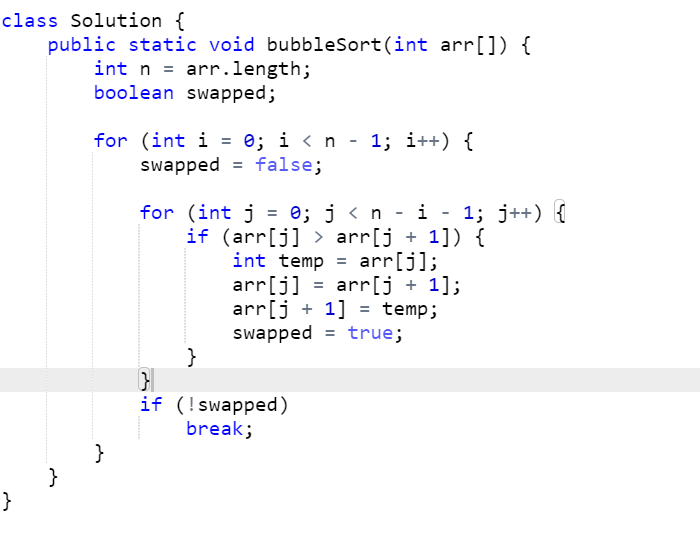
**18/11/2024 PRACTICE PROBLEM FIZA THASHIN A(AI&DS)**

**1)**

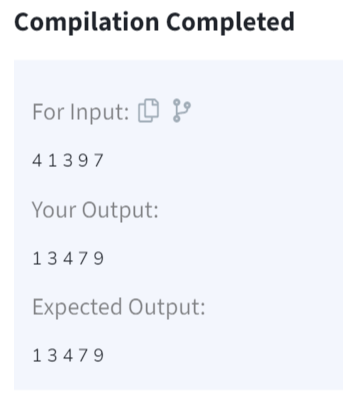
****

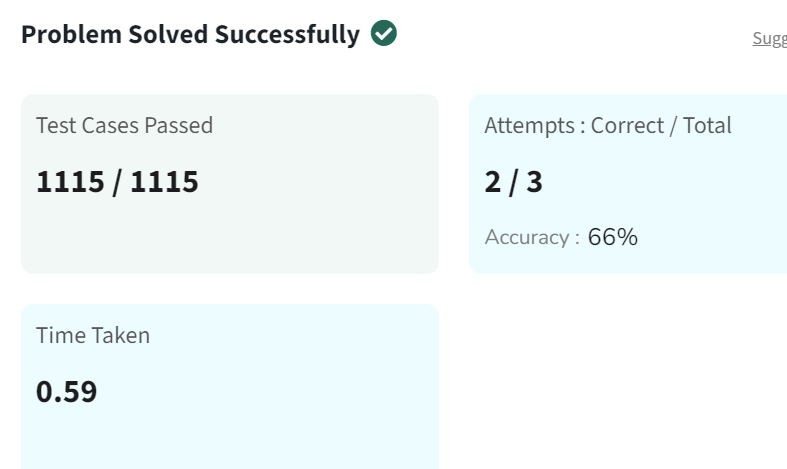
****

**SOLUTION**

****

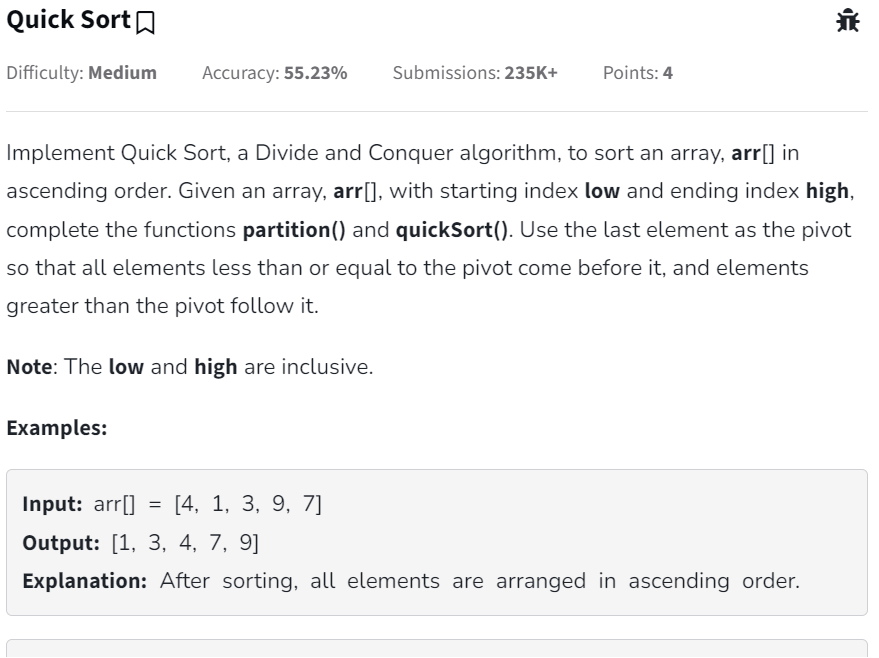
**OUTPUT**

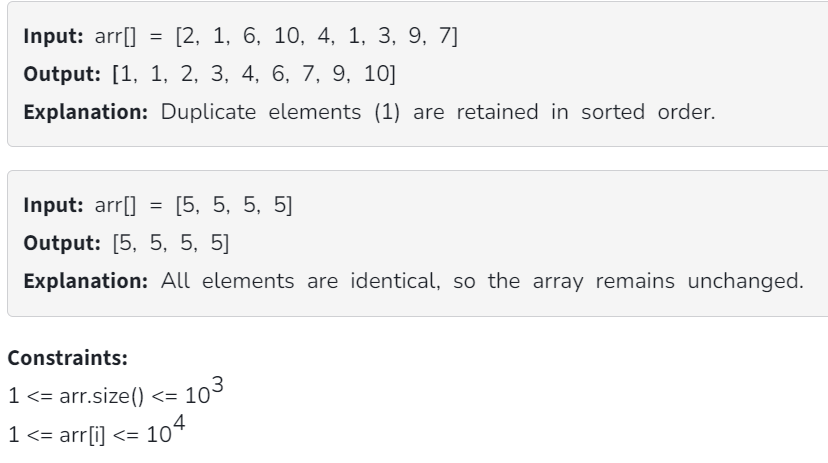
****

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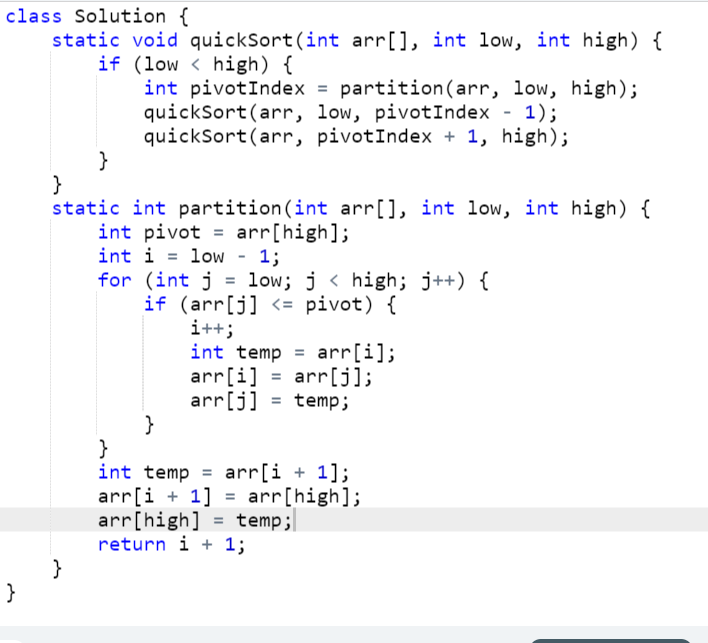
**TIME COMPLEXITY - O(n^2)**

**2)**

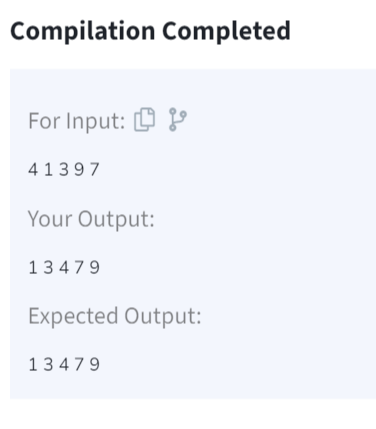
****

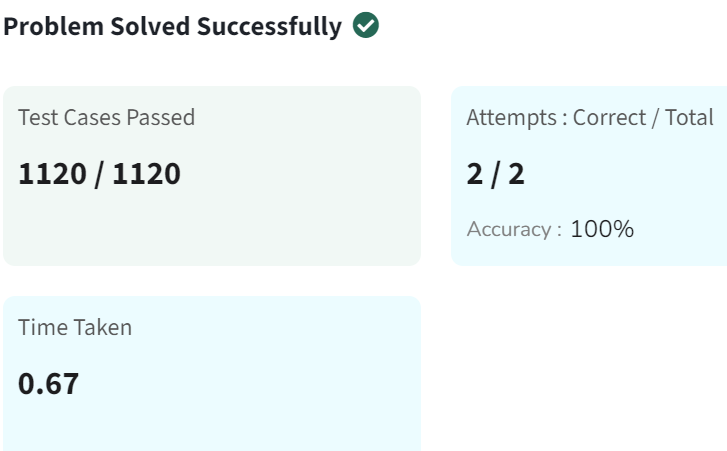
****

**SOLUTION**

****

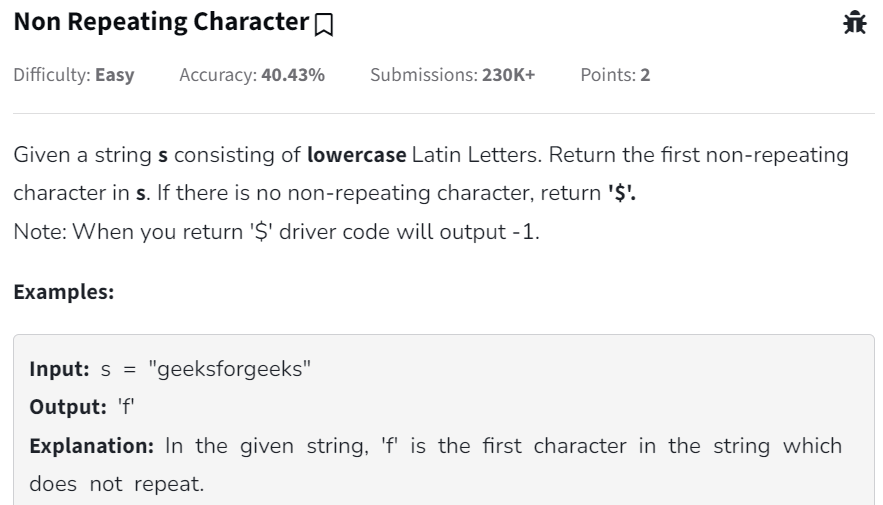
**OUTPUT**

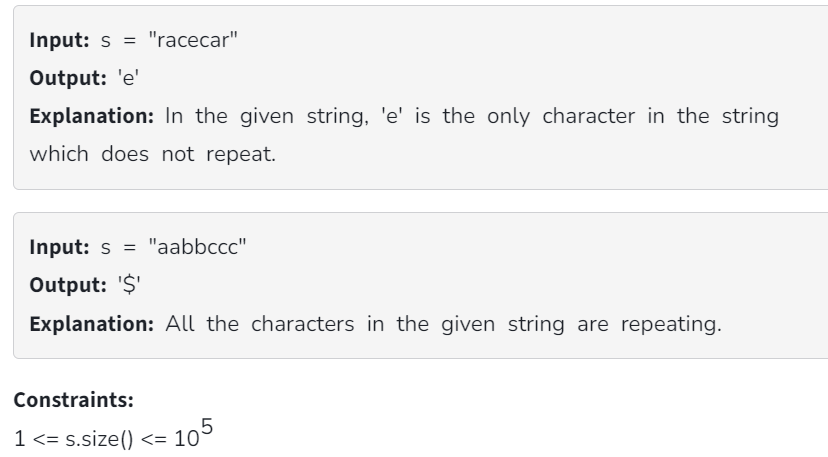
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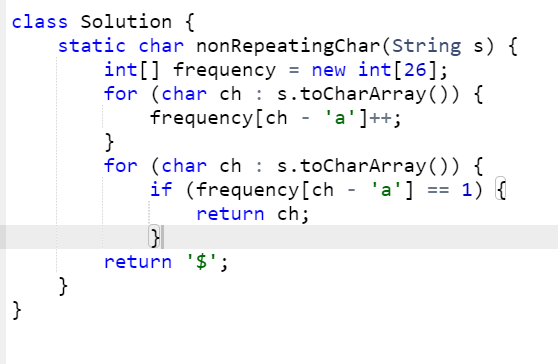
**TIME COMPLEXITY - O(nlogn)**

**3)**

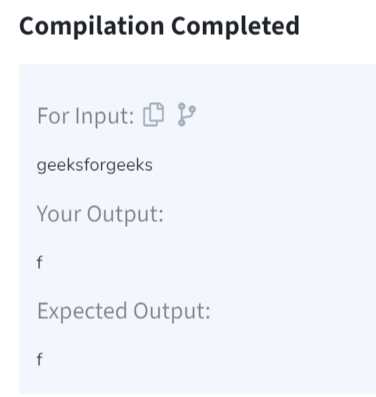
****

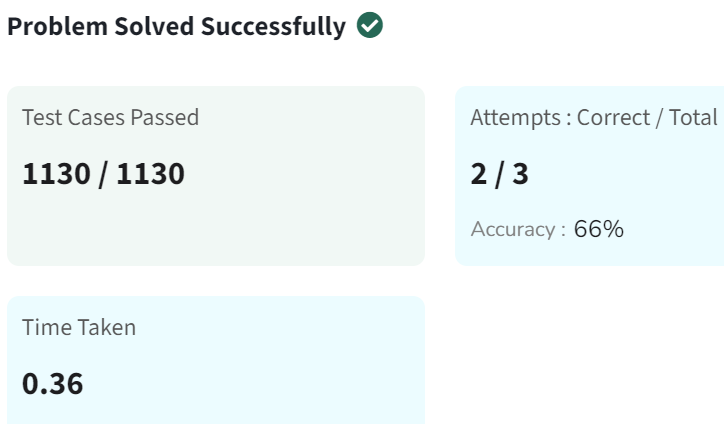
****

**SOLUTION**

****

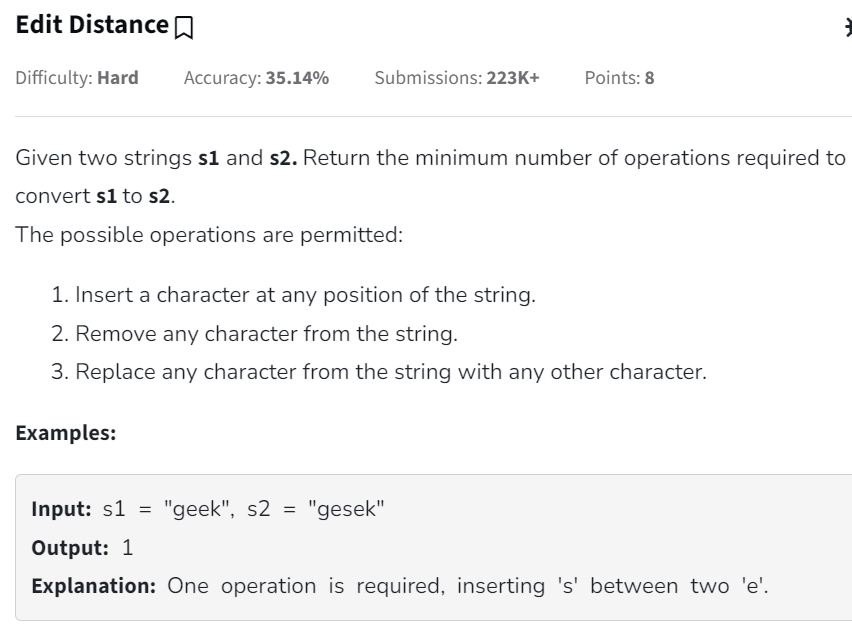
**OUTPUT**

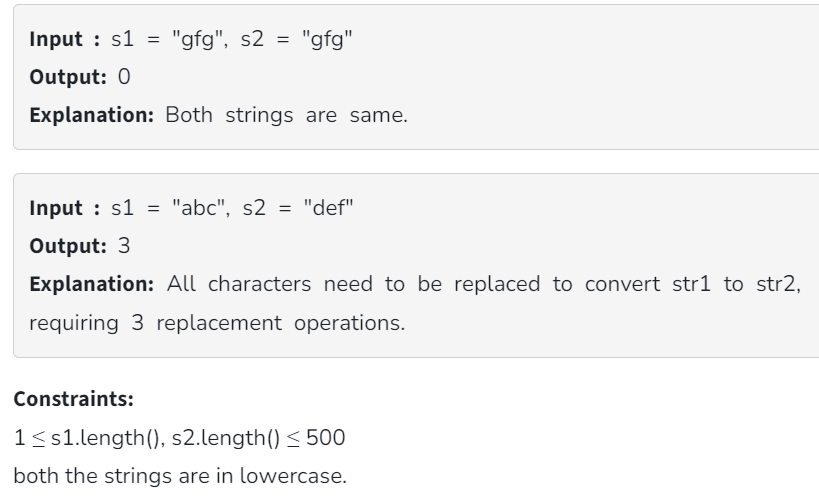
****

****

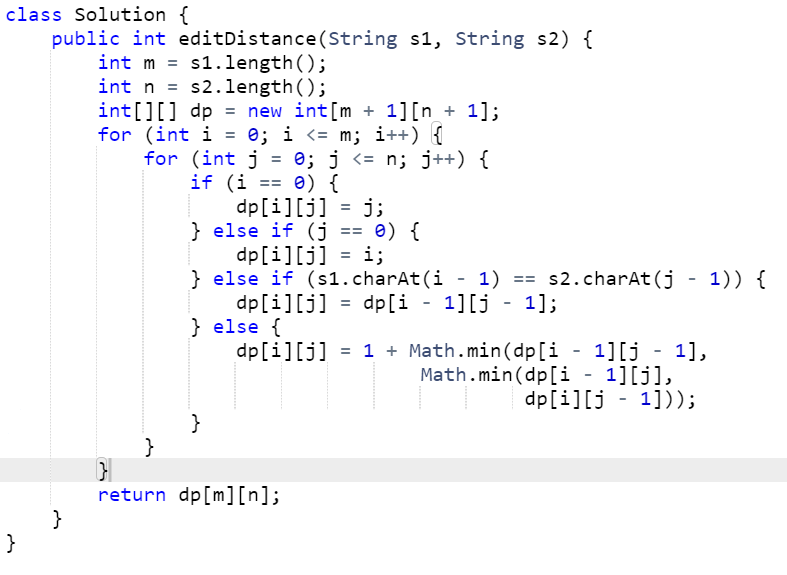
**TIME COMPELXITY - O(n)**

**4)**

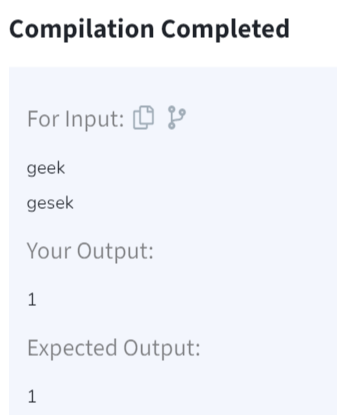
****

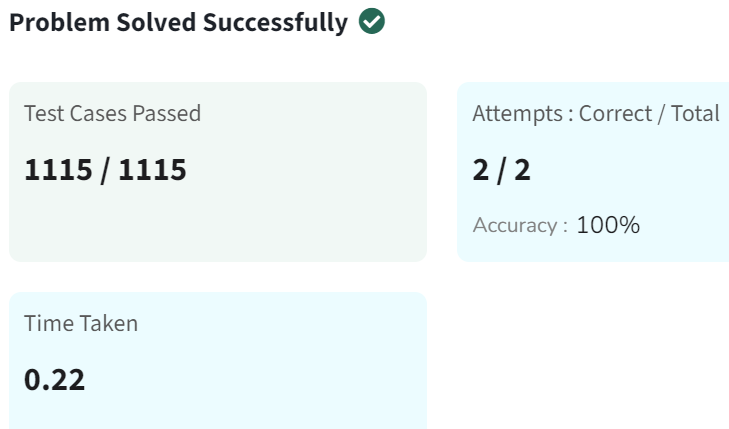
****

**SOLUTION**

****

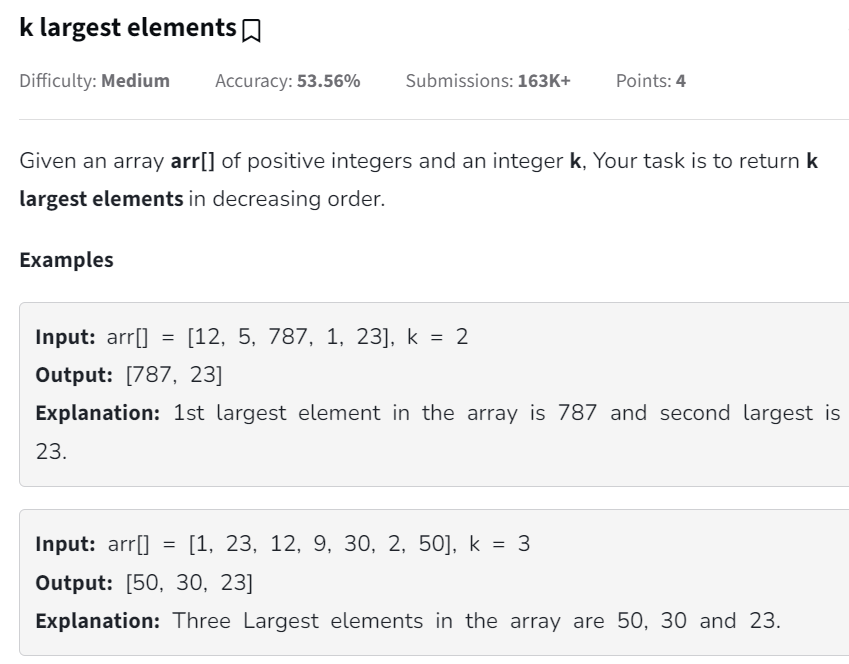
**OUTPUT**

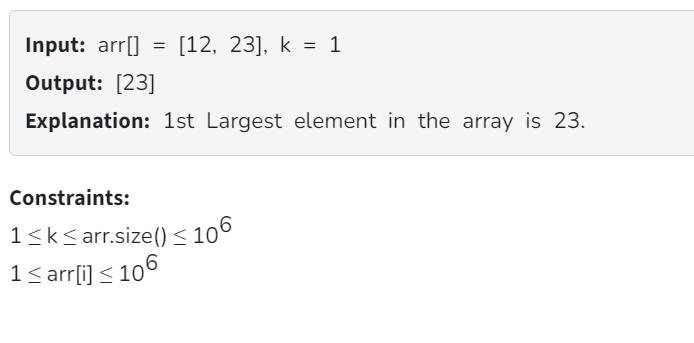
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****

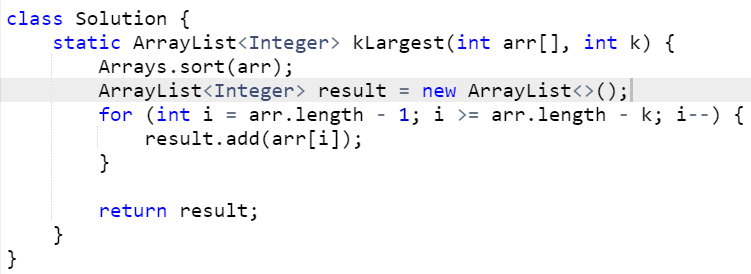
**TIME COMPLEXITY - O(m×n)**

**5)**

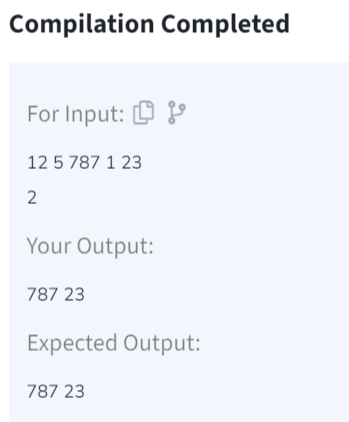
****

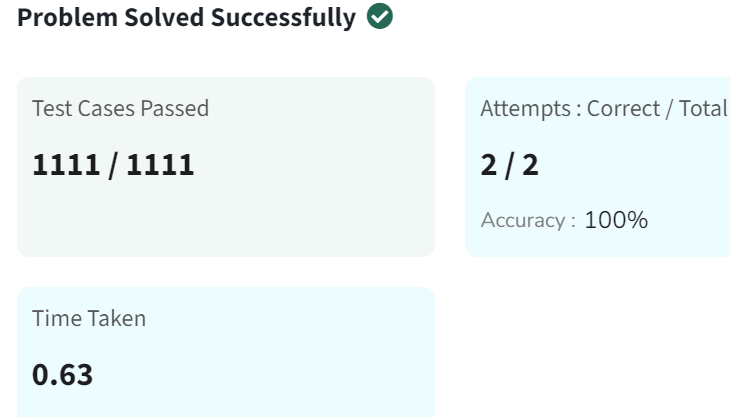
****

**SOLUTION**

****

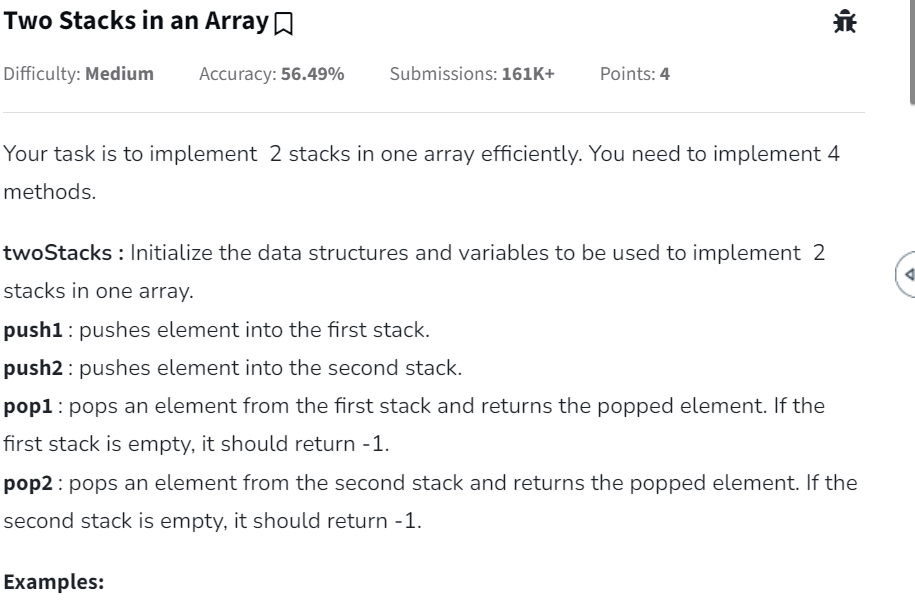
**OUTPUT**

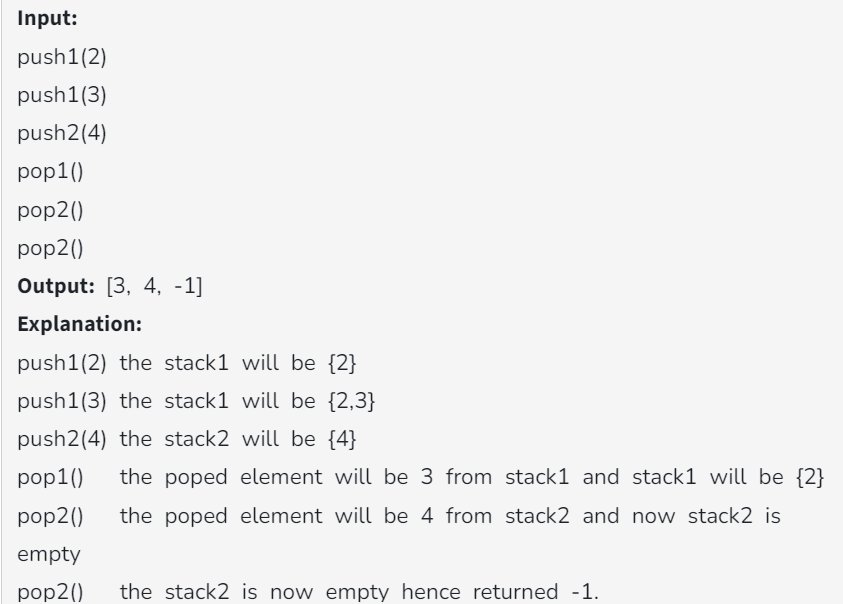
****

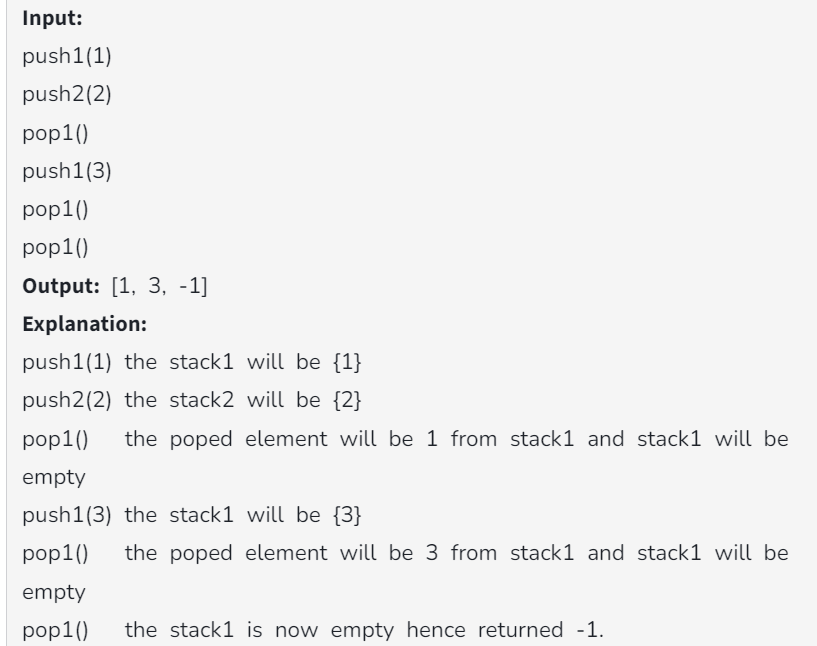
****

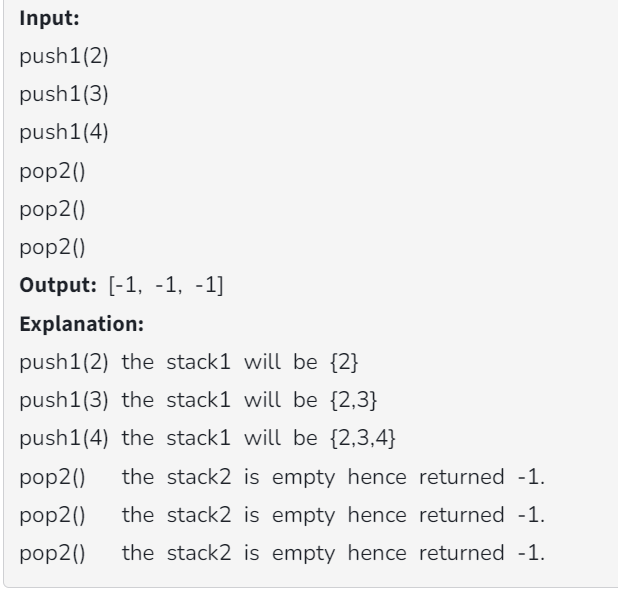
**TIME COMPLEXITY - O(n log n)**

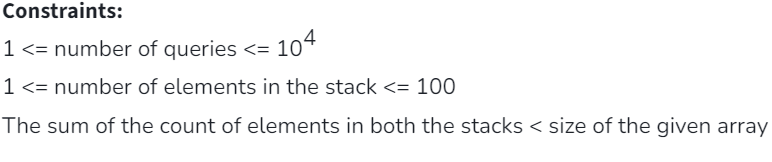
**6)**

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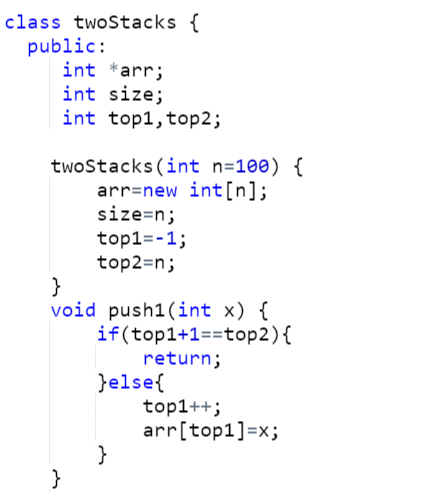
****

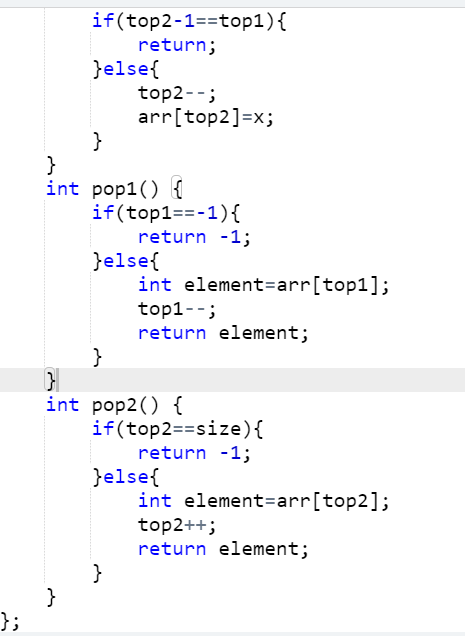
****

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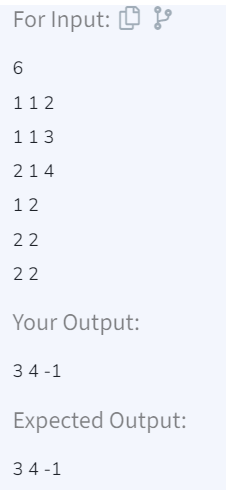
****

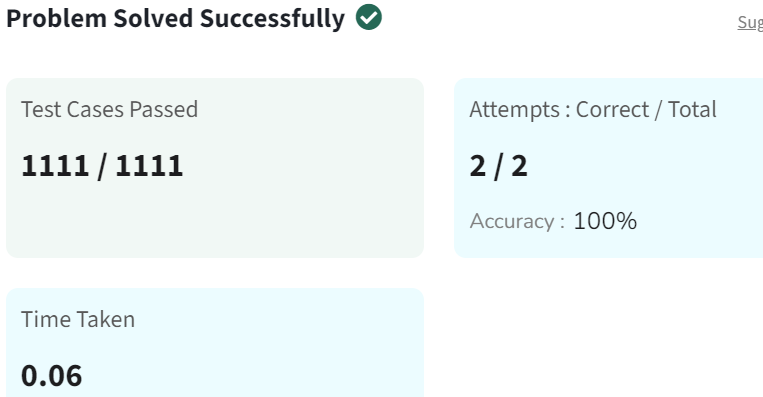
**SOLUTION**

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**OUTPUT**

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**TIME COMPLEXITY - O(1)**