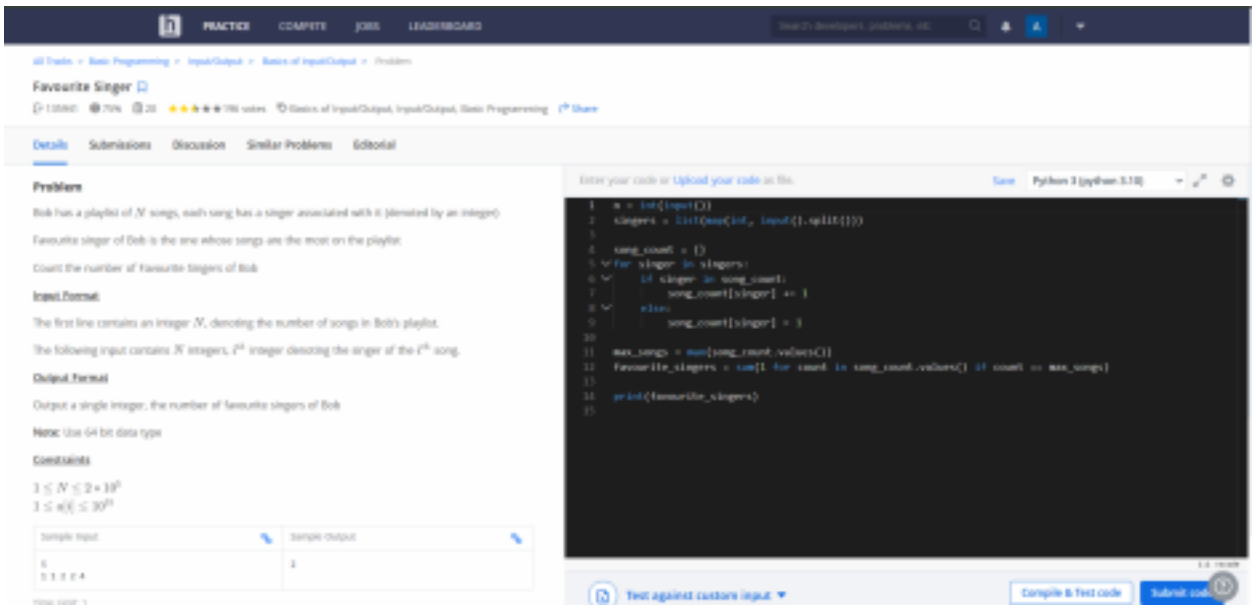
Name : Sujal Singh Class : A4-B2

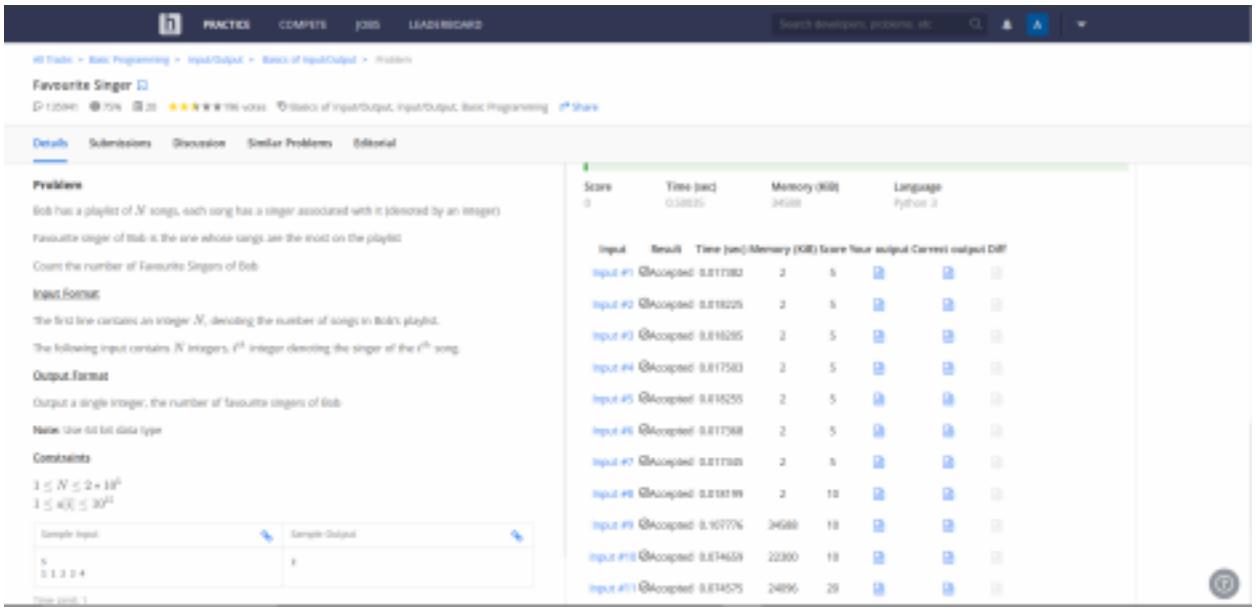
Roll no. : 52

Subject : Technical Skill

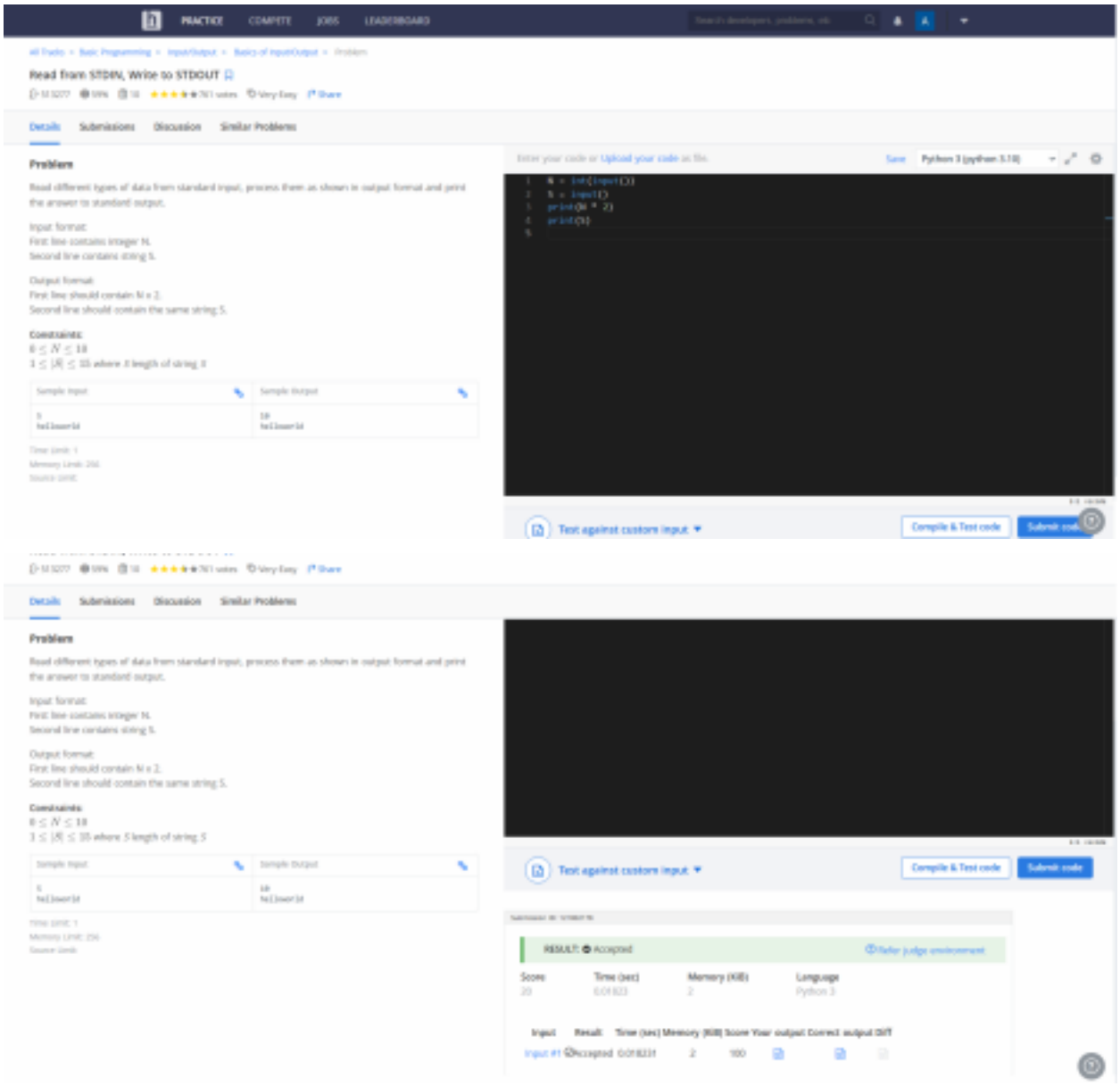
Easy Problems

Q1]

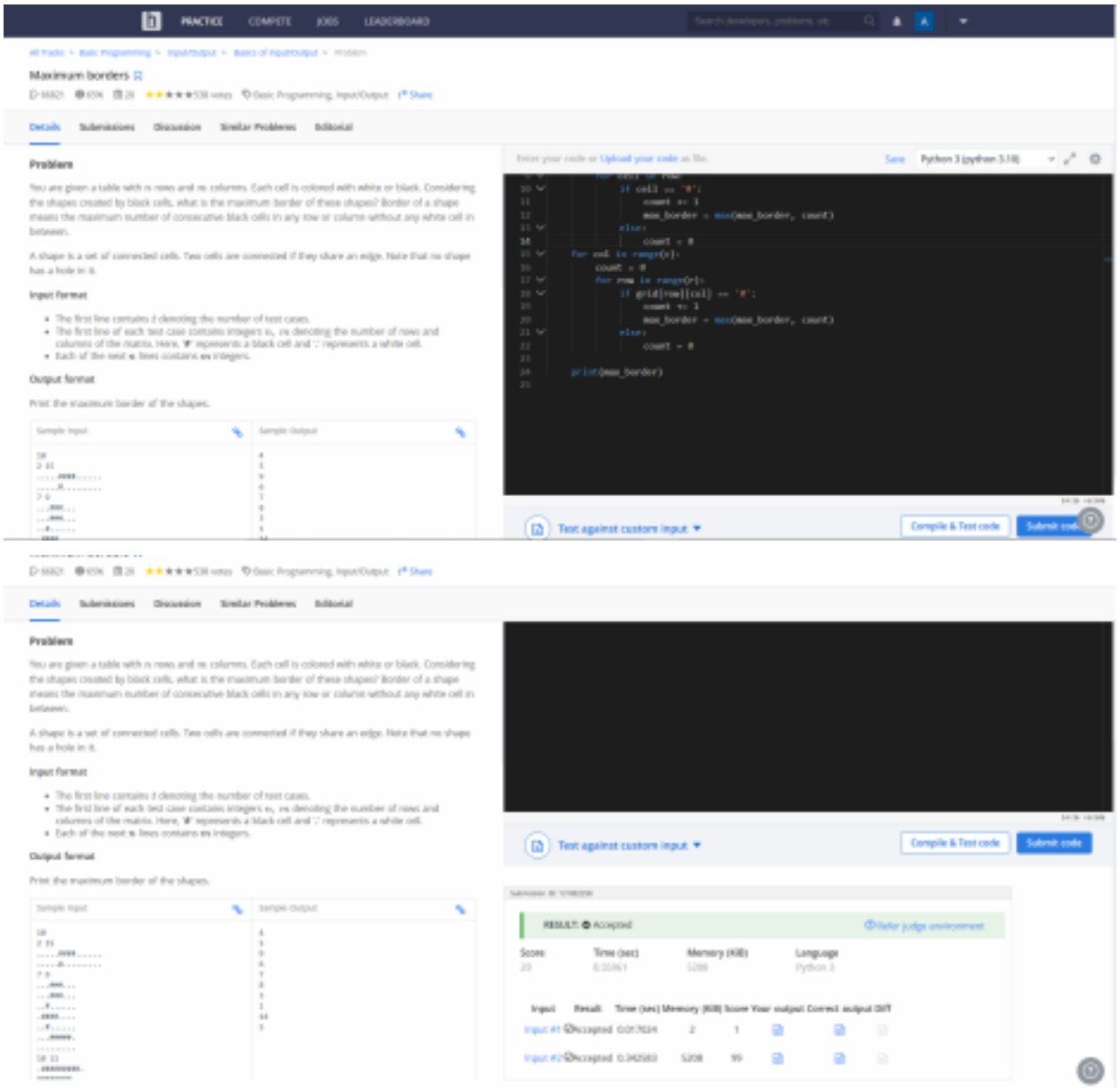




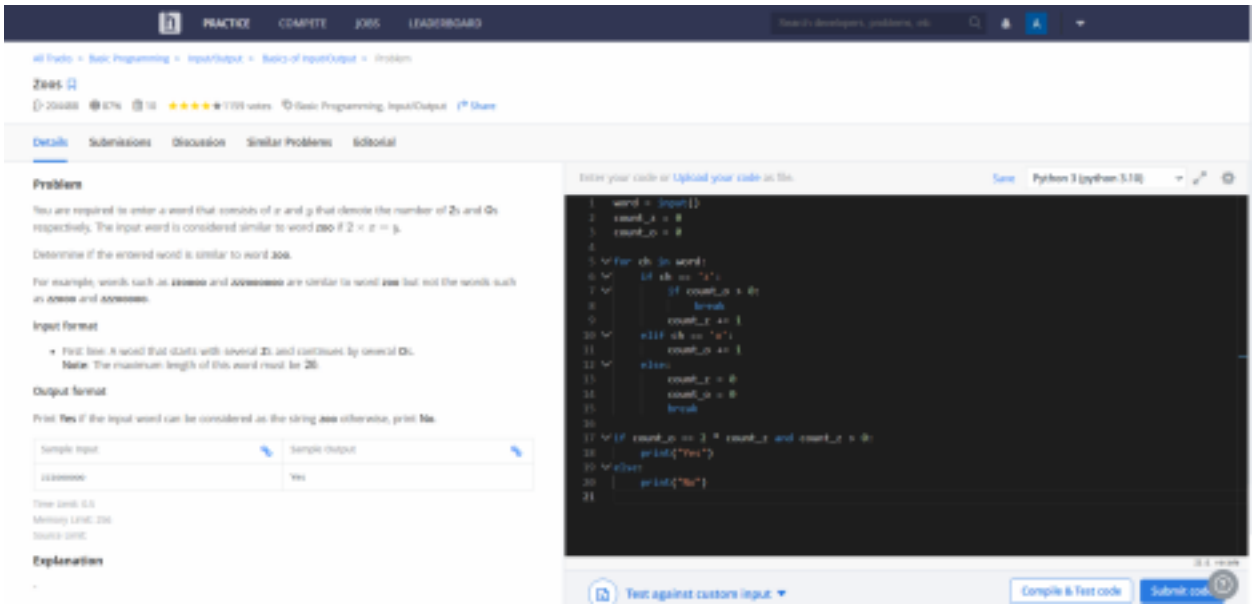
Q2]

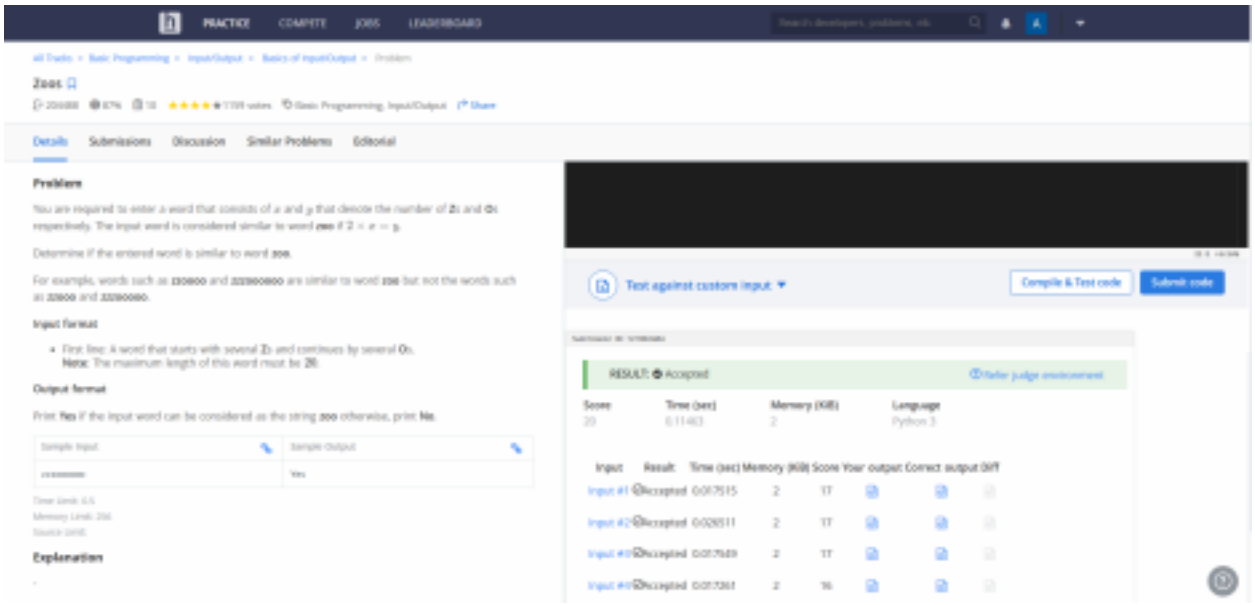

PRACTICE
COMPETE
JOBS
LEADERBOARD
Read from STDIN, Write to STDOUT
Details
Submissions
Discussion
Similar Problems
Problem
Test against custom input
Compile & Test code
Submit code
RESULT: Accepted
Score
Time (sec)
Memory (KiB)
Language

Q3]

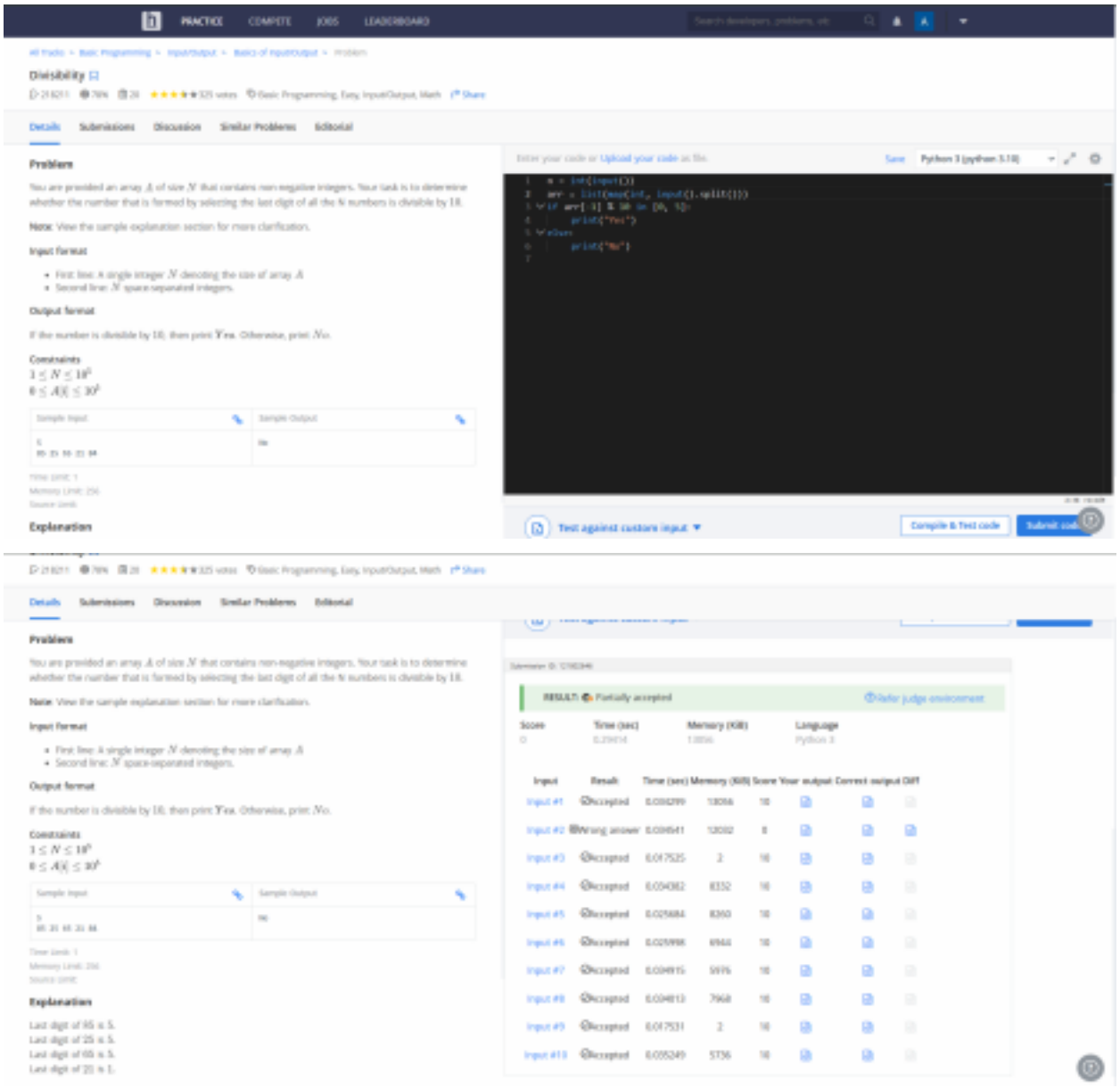

PRACTICE
COMPETE
JOBS
LEADERBOARD
Maximum borders
Details
Submissions
Discussion
Similar Problems
Editorial
Problem
Input format
Output format
Test against custom input
Compile & Test code
Submit code
RESULT: Accepted
Score
Time (sec)
Memory (KiB)
Language
Python 3

Q4]

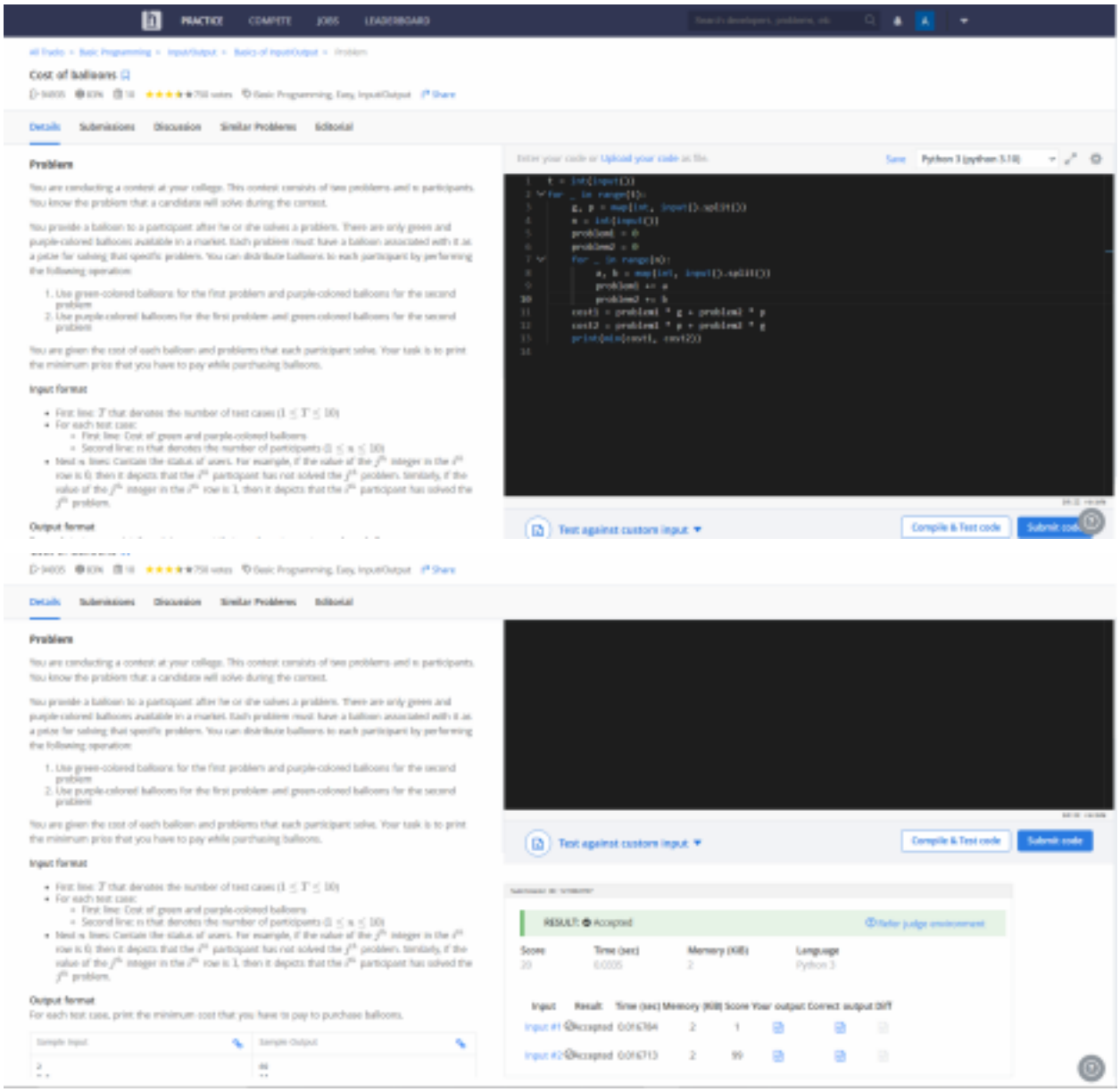




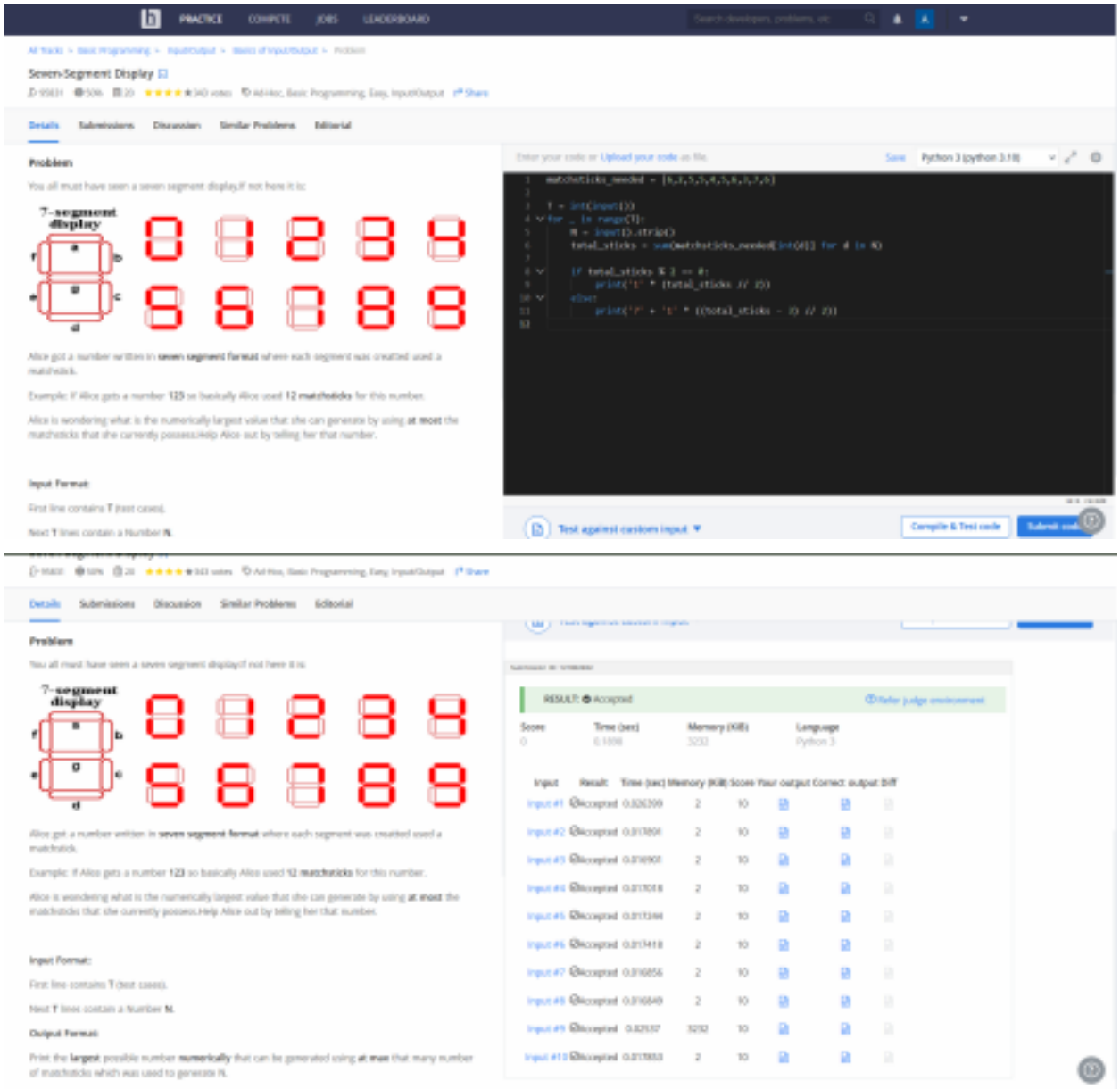
Q5]


PRACTICE
COMPETE
JOBS
LEADERBOARD
Divisibility
Details
Submissions
Discussion
Similar Problems
Editorial
Problem
Input format
Output format
Constraints
Explanation
Test against custom input
Compile & Test code
Submit code
Partially accepted
Score
Time (sec)
Memory (KiB)
Language
Input
Result
Your output
Correct output
Diff

Q6]


PRACTICE
COMPETE
JOBS
LEADERBOARD
Cost of balloons
Details
Submissions
Discussion
Similar Problems
Editorial
Problem
Input format
Output format
Test against custom input
Compile & Test code
Submit code
RESULT: Accepted
Score
Time (sec)
Memory (KiB)
Language
Input
Result
Time (sec)
Memory (KiB)
Score
Your output
Correct output
Diff

Q7]


PRACTICE
COMPETE
JOBS
LEADERBOARD
Seven-Segment Display
Details
Submissions
Discussion
Similar Problems
Editorial
Problem
Python 3 (python 3.7.9)
Test against custom input
Compile & Test code
Submit code
Input Format:
Output Format:
RESULT: Accepted
Score
Time (sec)
Memory (KiB)
Language

Q8]

Details Submissions Discussion Similar Problems Editorial

Problem

You live in a village. The village can be represented as a line that contains n grids. Each grid can be denoted as a house that is marked as *H* or a blank space that is marked as .

A person lives in each house. A person can move to a grid if it is adjacent to that person. Therefore, the grid must be present on the left and right side of that person.

Now, you are required to put some fences that can be marked as *H* on some blank spaces so that the village can be divided into several pieces. A person cannot walk past a fence but can walk through a house.

You are required to divide the house based on the following rules:

- A person cannot reach a house that does not belong to that specific person.
- The number of grids each person can reach is the same and it includes the grid in which the house is situated.
- In order to show that you are enthusiastic and if there are many answers, then you are required to print the one where most fences are placed.

Your task is to decide whether there is a possible solution. Print the possible solution.

Input format

- First line: An integer n that represents the number of grids ($1 \leq n \leq 20$)
- Second line: n characters that indicate the villages that are represented as *H* or .

Output format

The output must be printed in the following format:

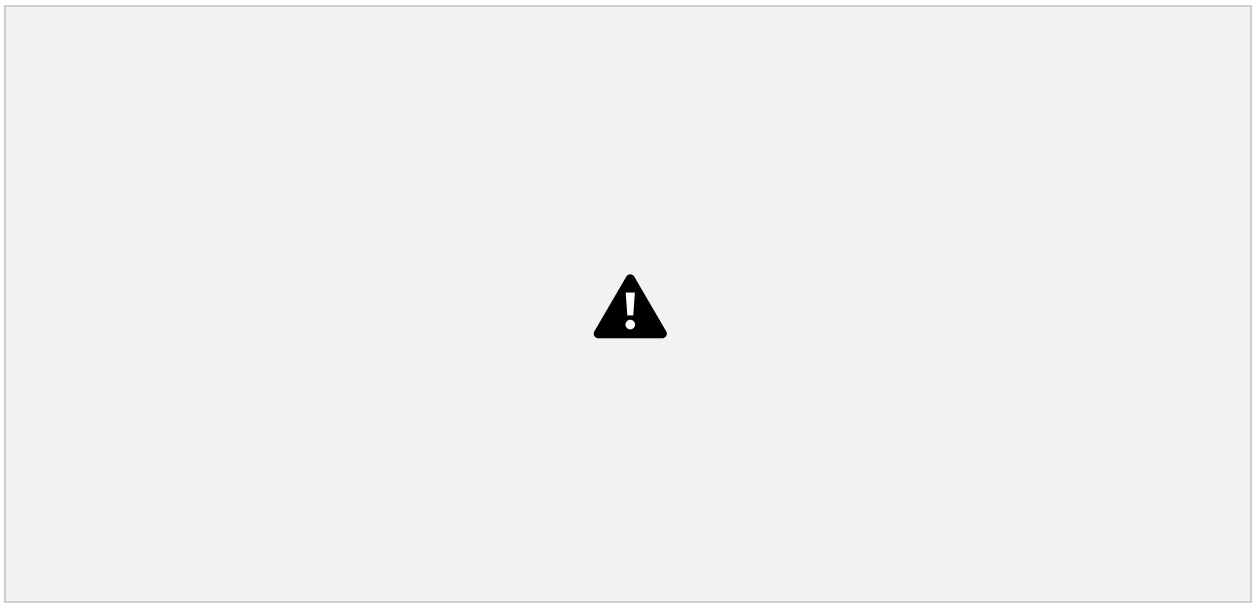
- First line: If possible, then print *YES*. Otherwise, print *NO*.
- Second line: If the answer is *YES*, then print the way to do so.

Sample Input Sample Output

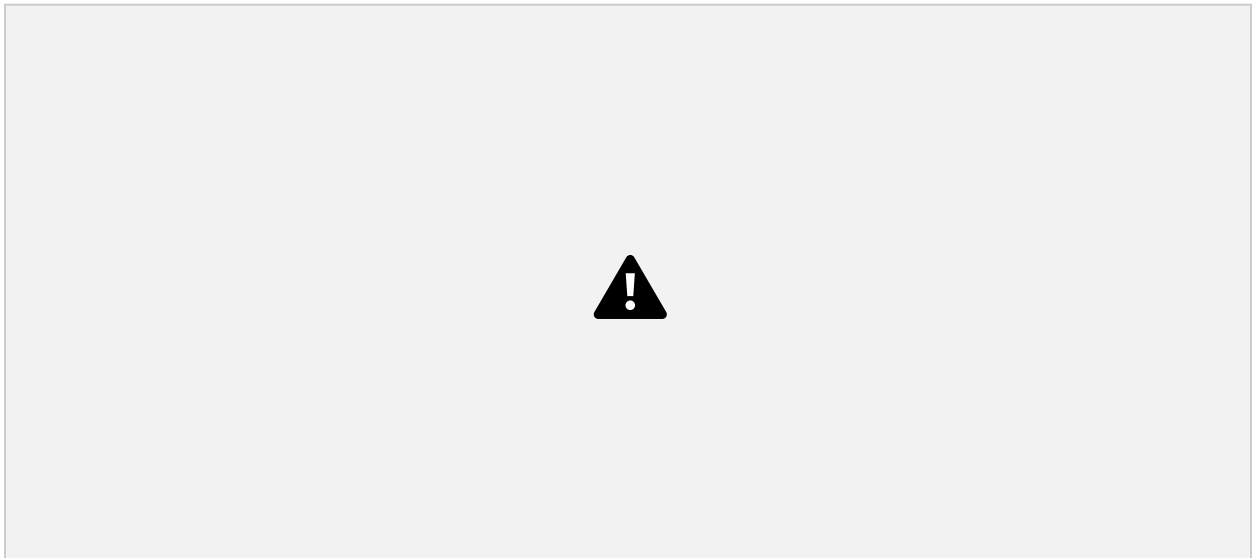
Save Python 3 (python 3.10)

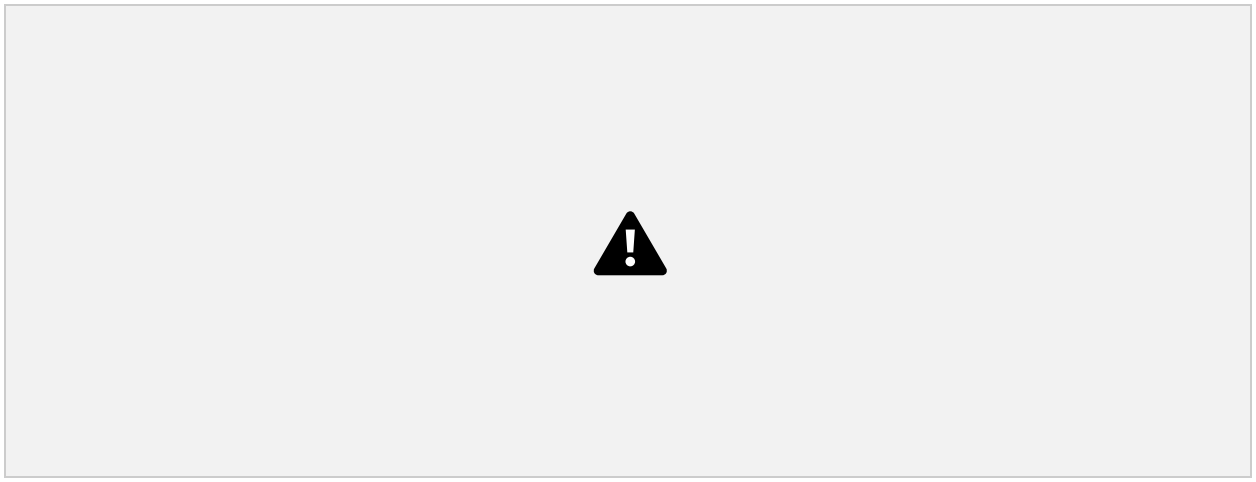
```
n = int(input())
village = list(input().strip())

houses = [i for i, x in enumerate(village) if x == 'H']

if not houses:
    print('YES')
    print('H' * n)
else:
    possible = True
    for i in range(1, len(houses)):
        if (houses[i] - houses[i-1] - 1) % 2 != 0:
            possible = False
            break

    if not possible:
        print('NO')
    else:
        result = village[:]
        for i in range(len(houses) - 1):
            l = houses[i]
            r = houses[i+1]
            mid = (l + r) // 2
            for j in range(l+1, mid+1):
```

Test against custom input Compile & Test code Submit code

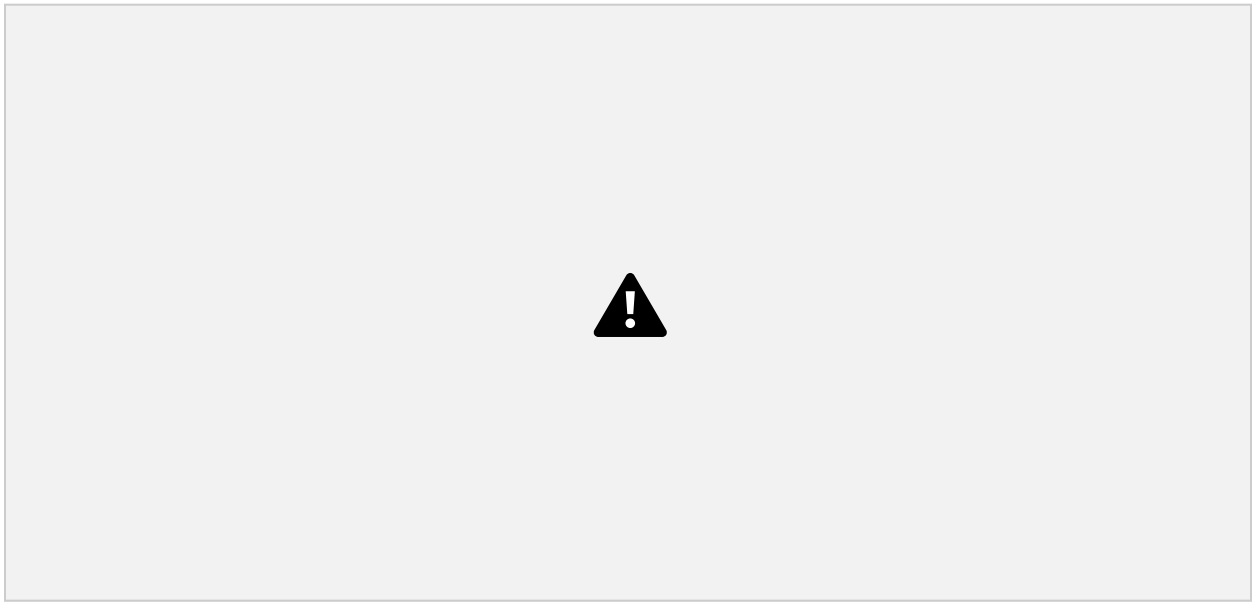


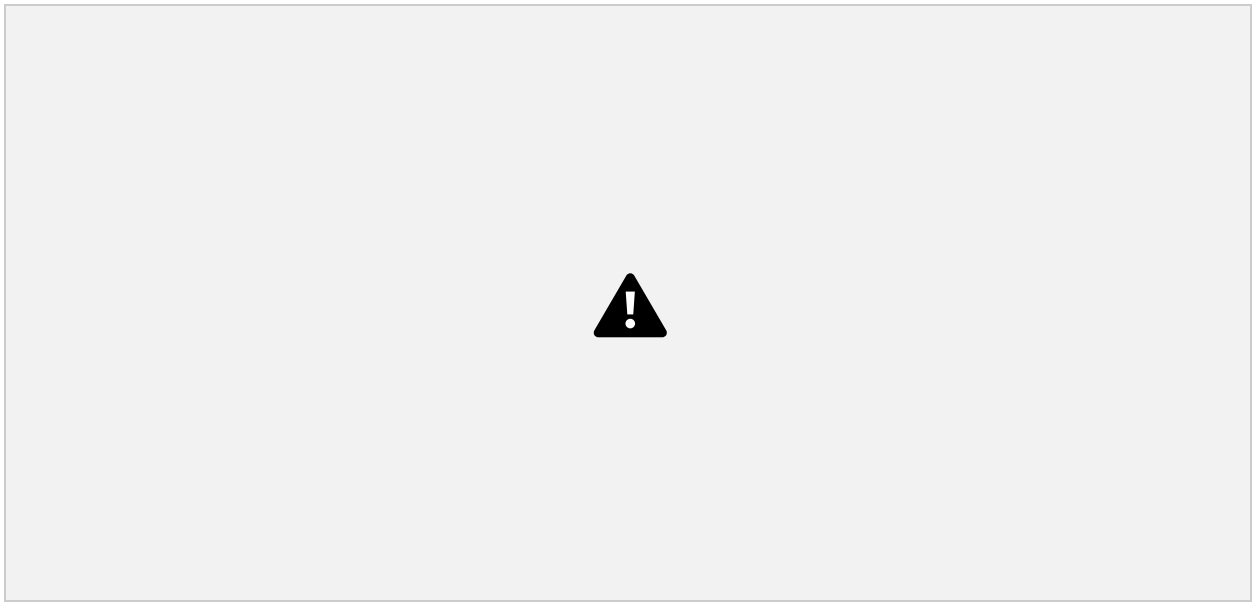
Q9]





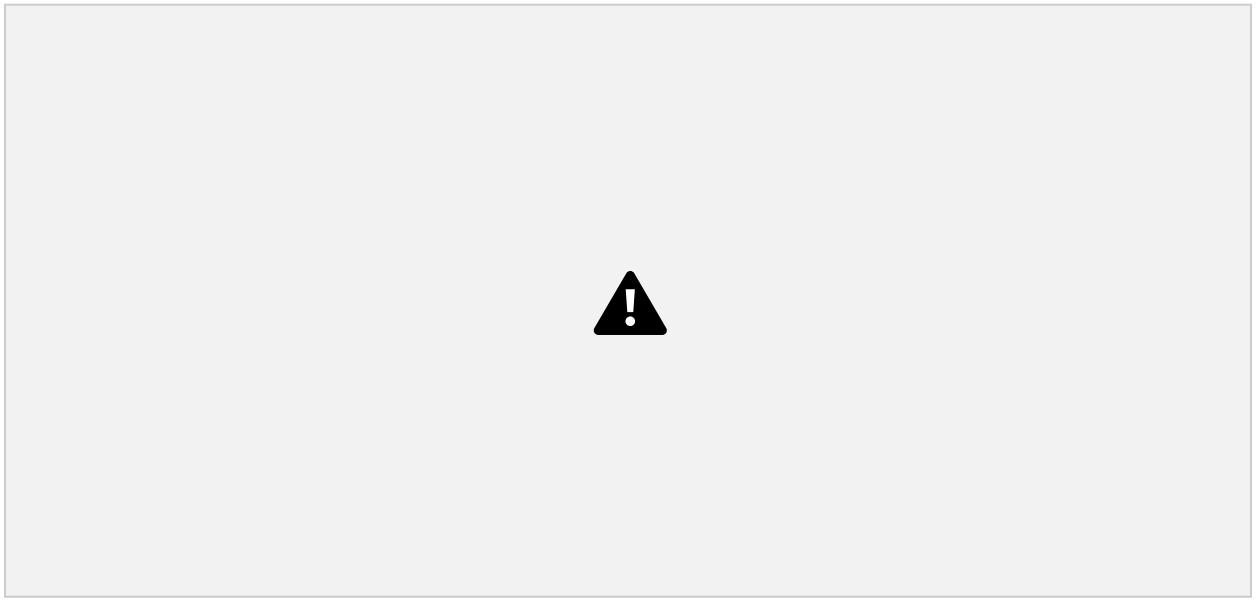
Q10]

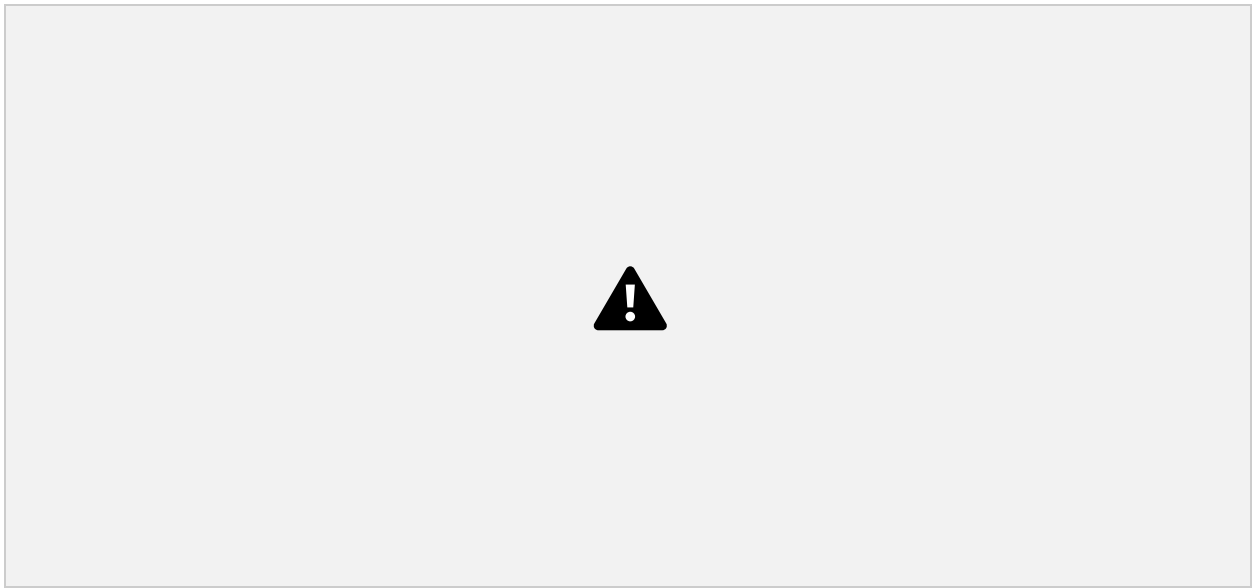




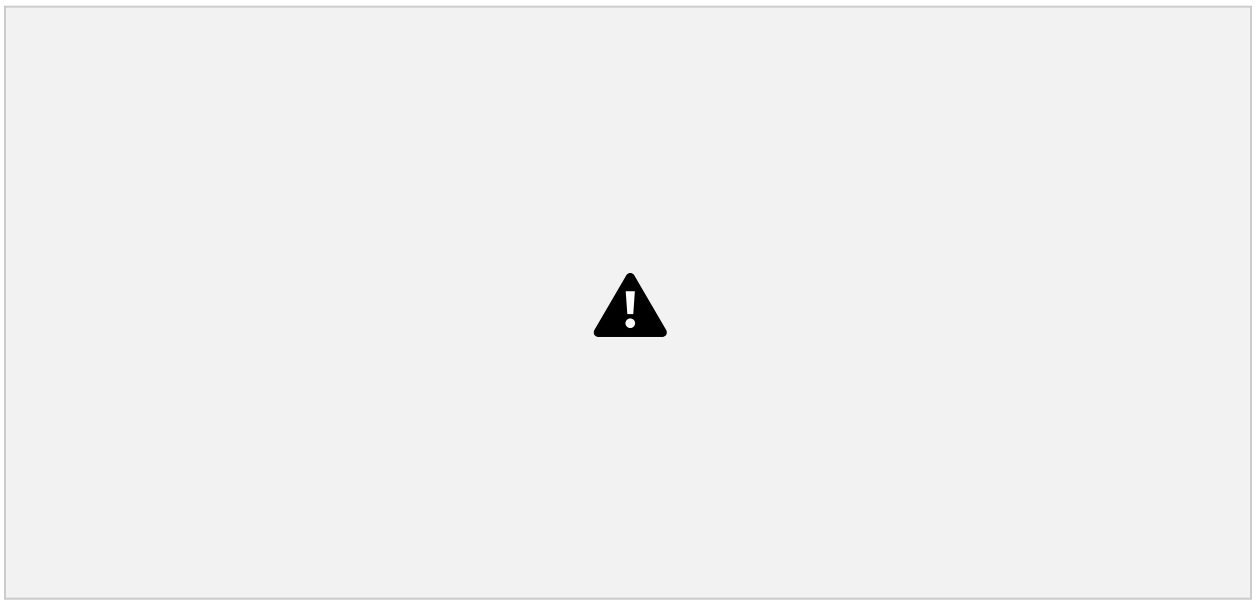
Medium Problems

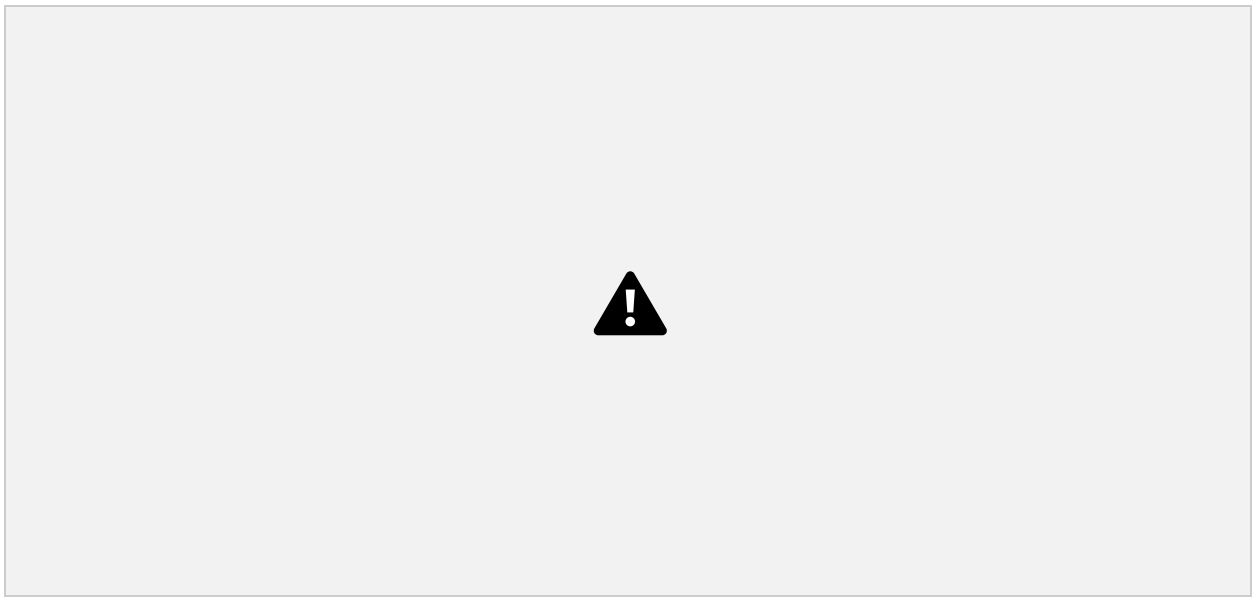
Q1]



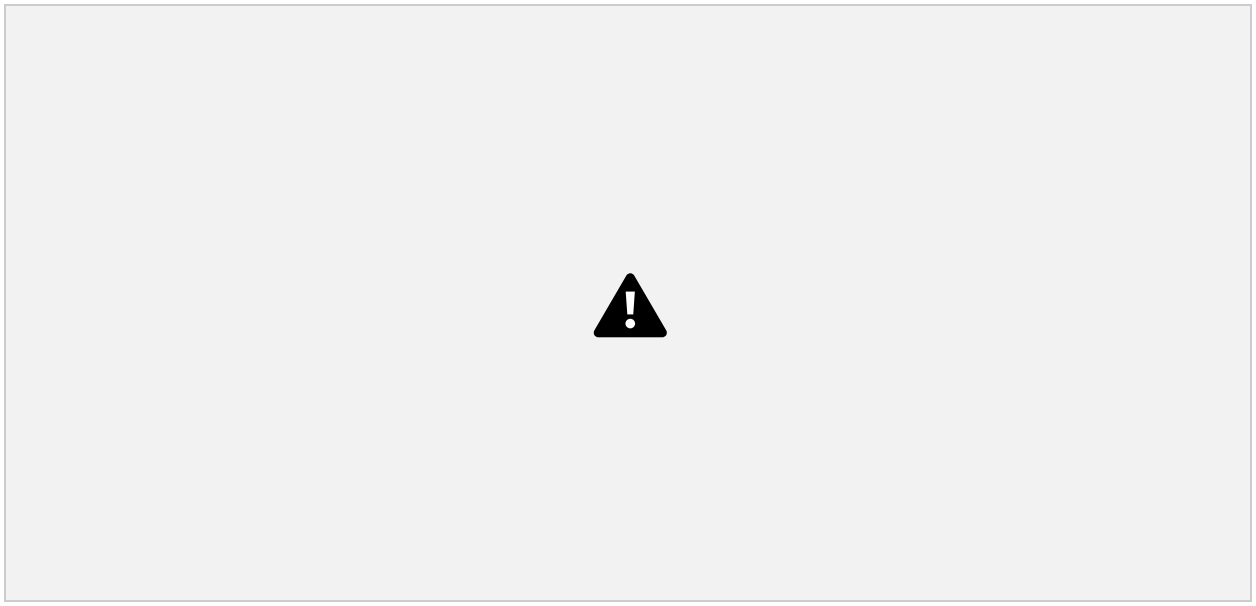


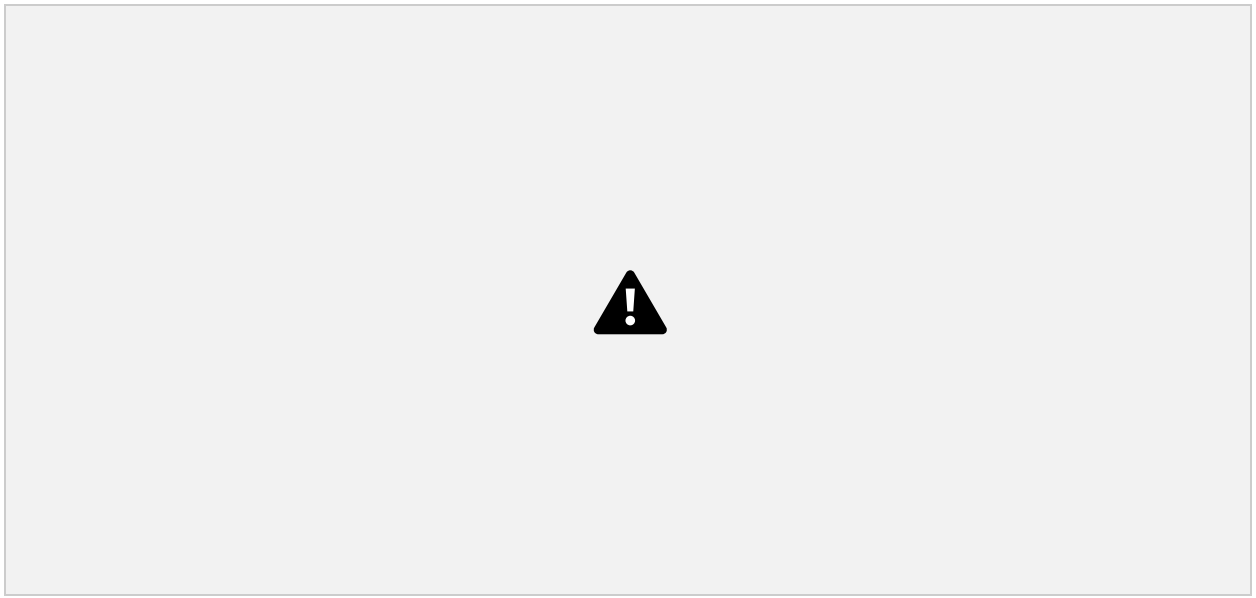
Q2]



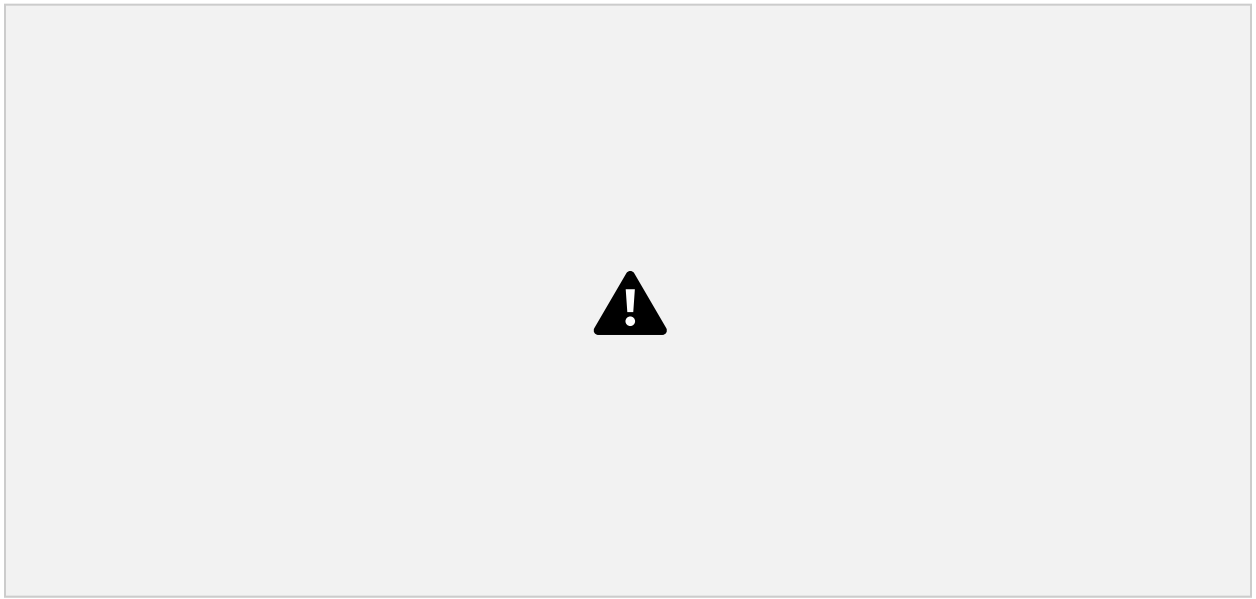


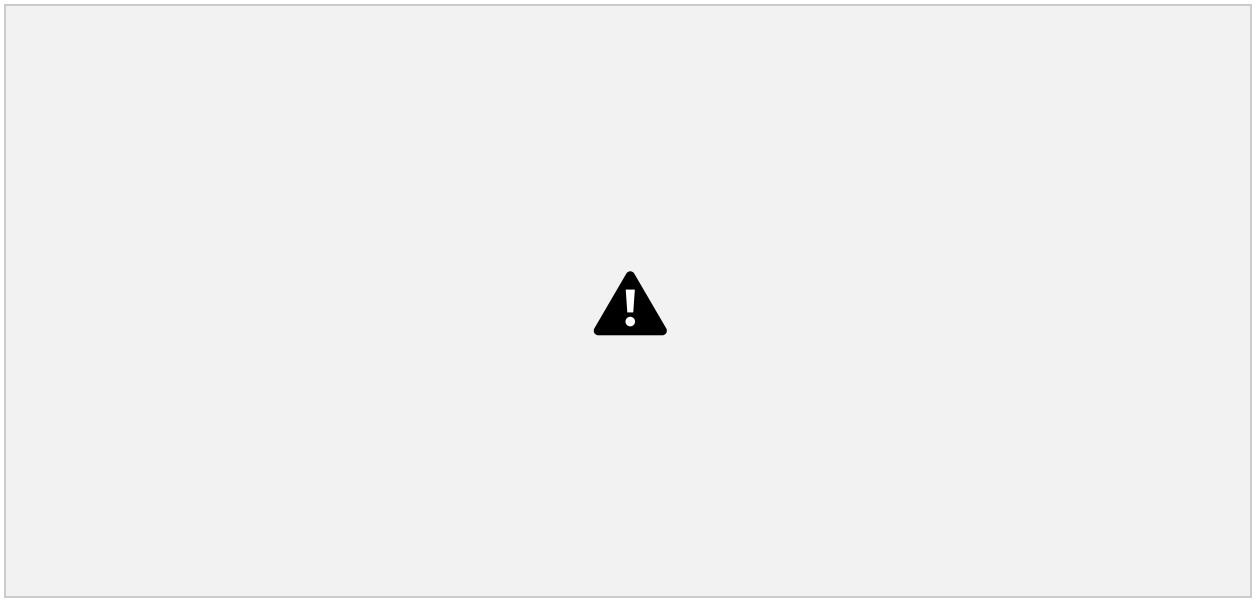
Q3]



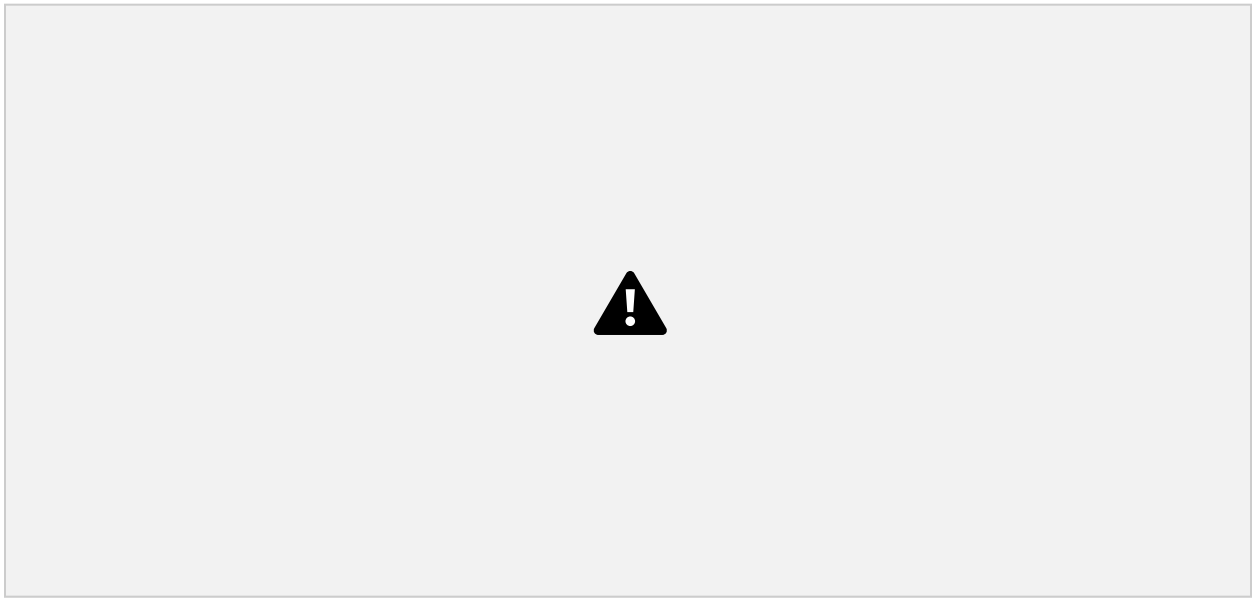


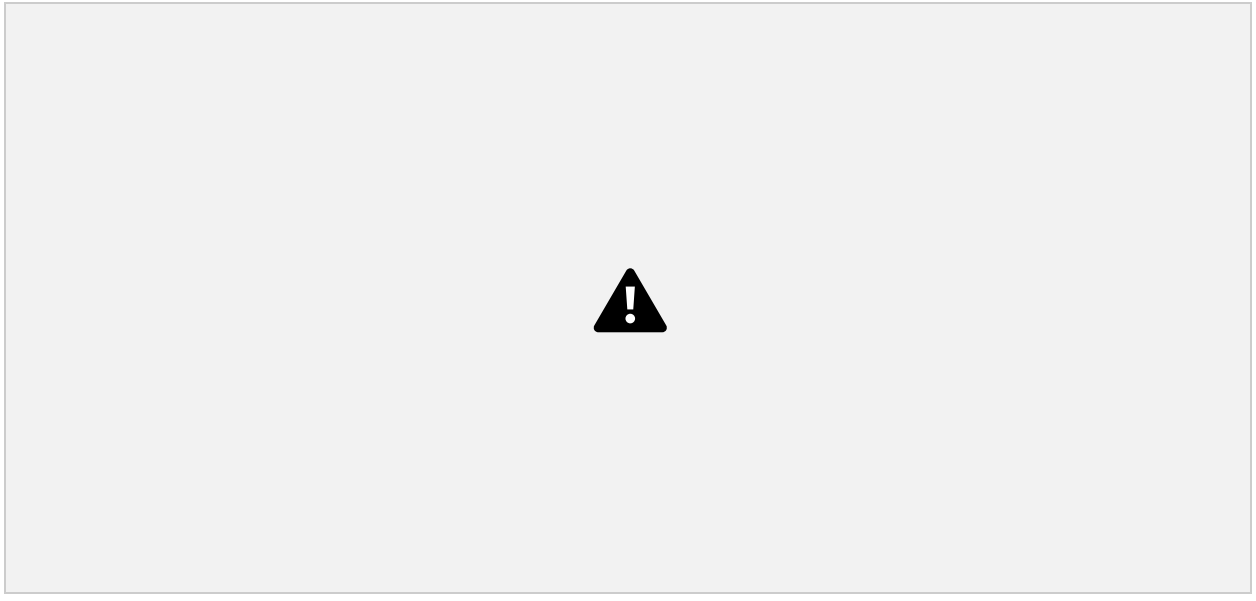
Q4]



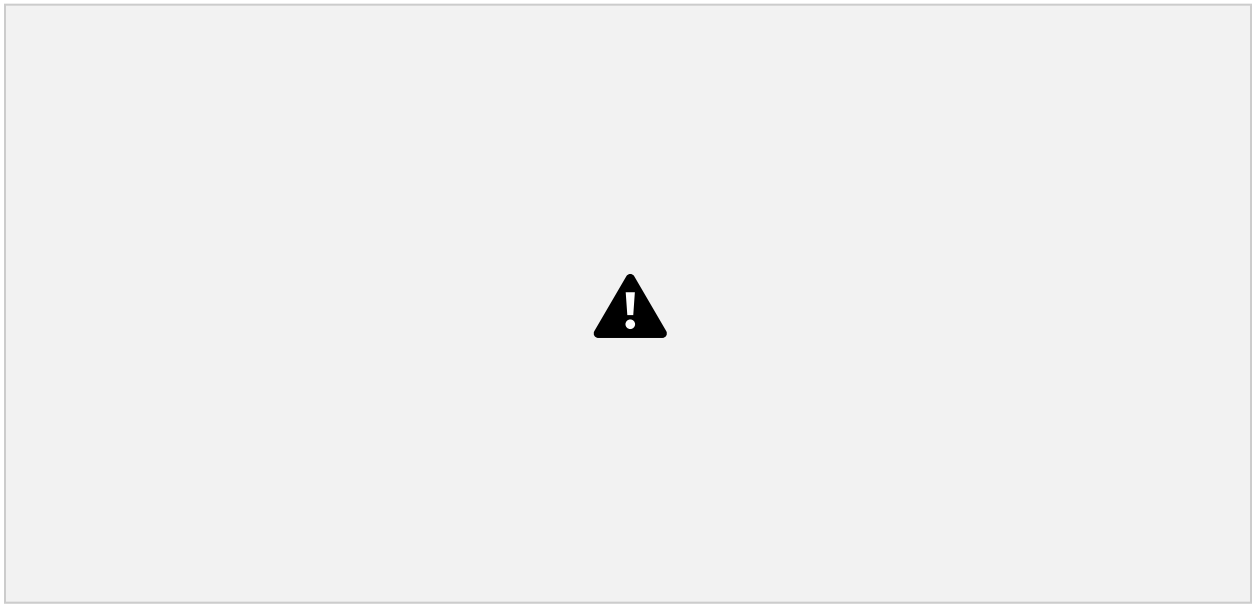


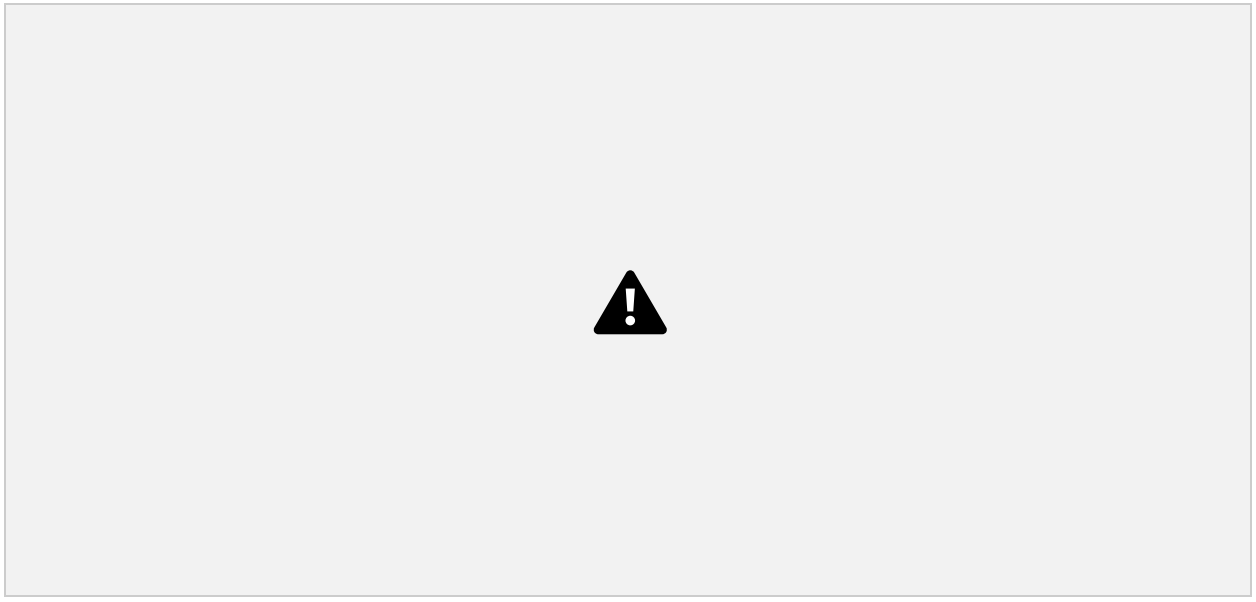
Q5]



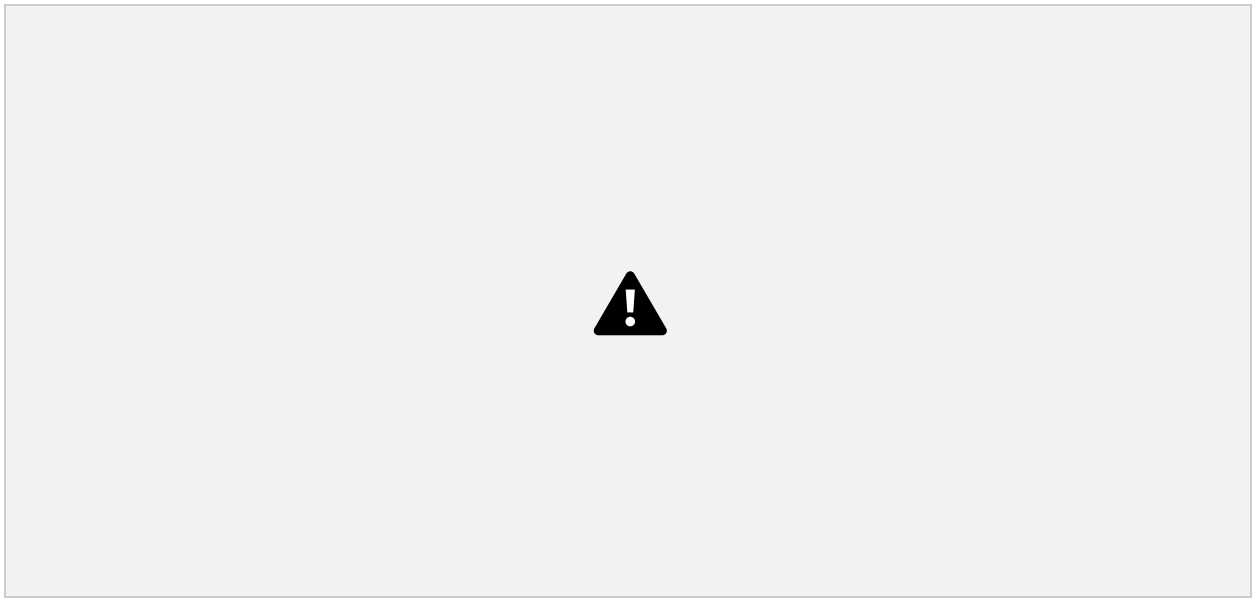


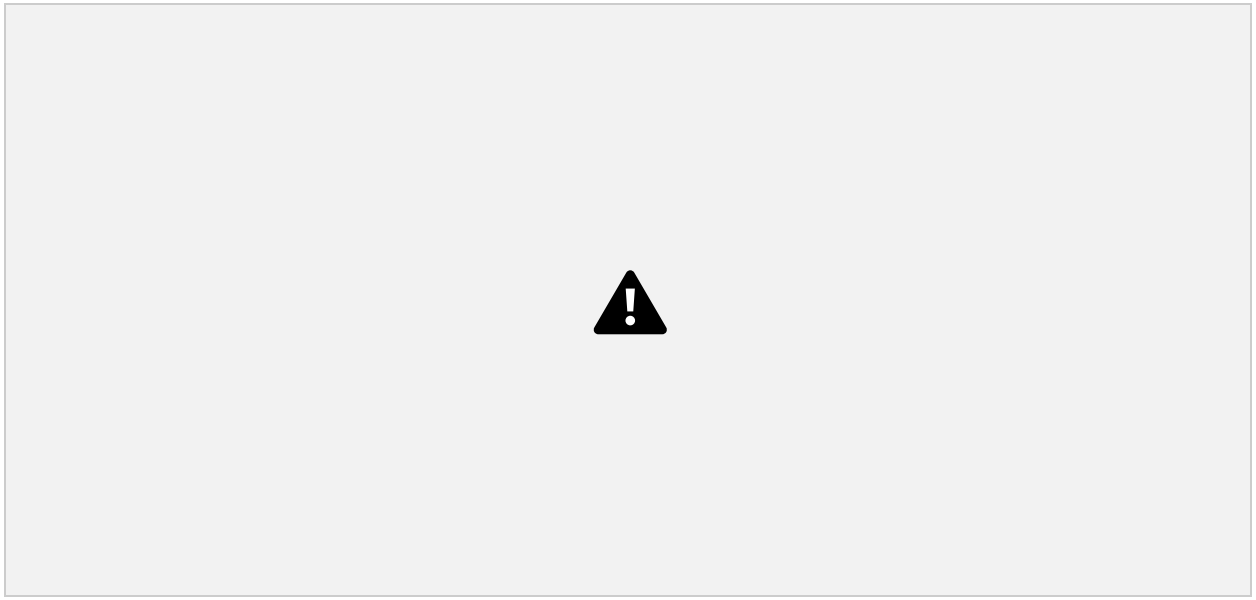
Hard Problems
Q1]



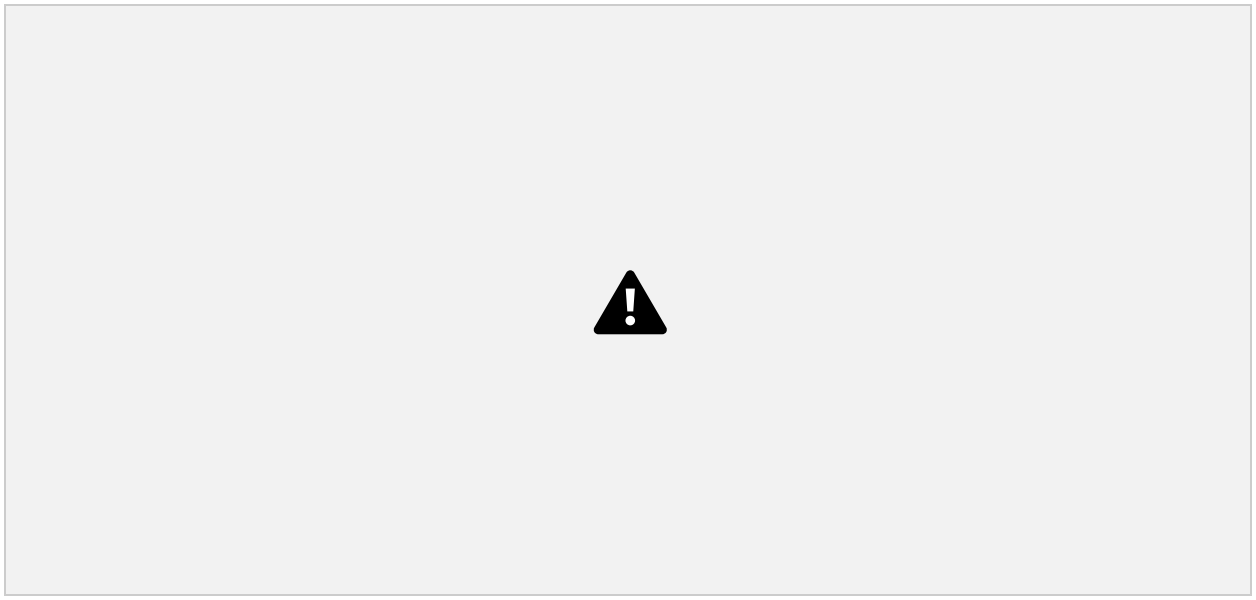


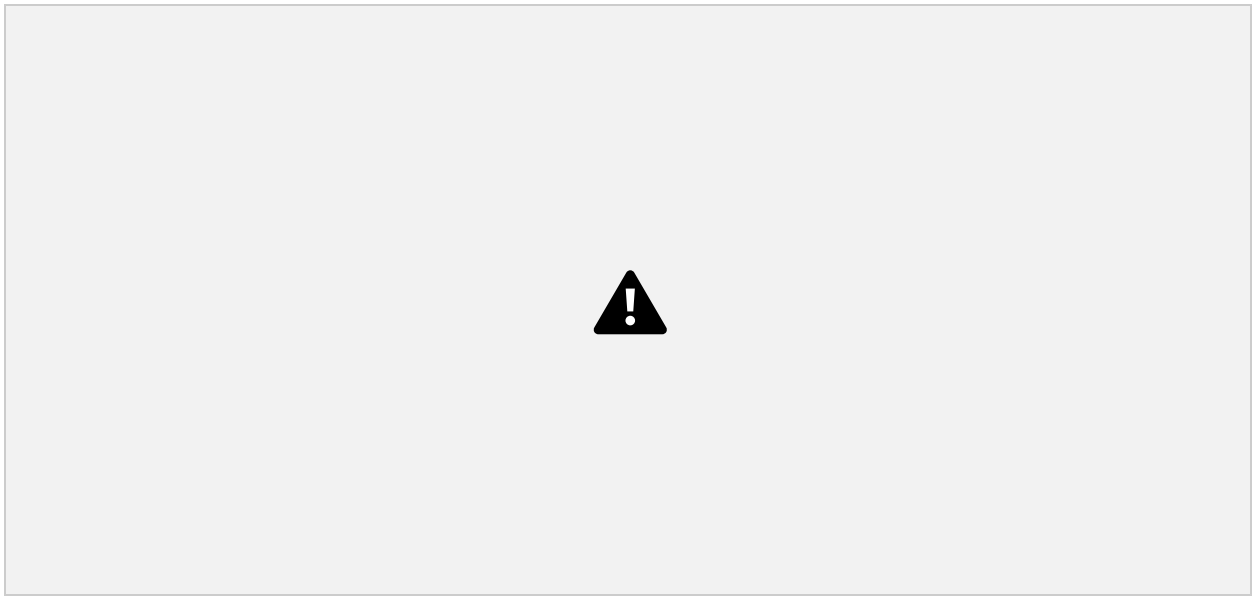
Q2]



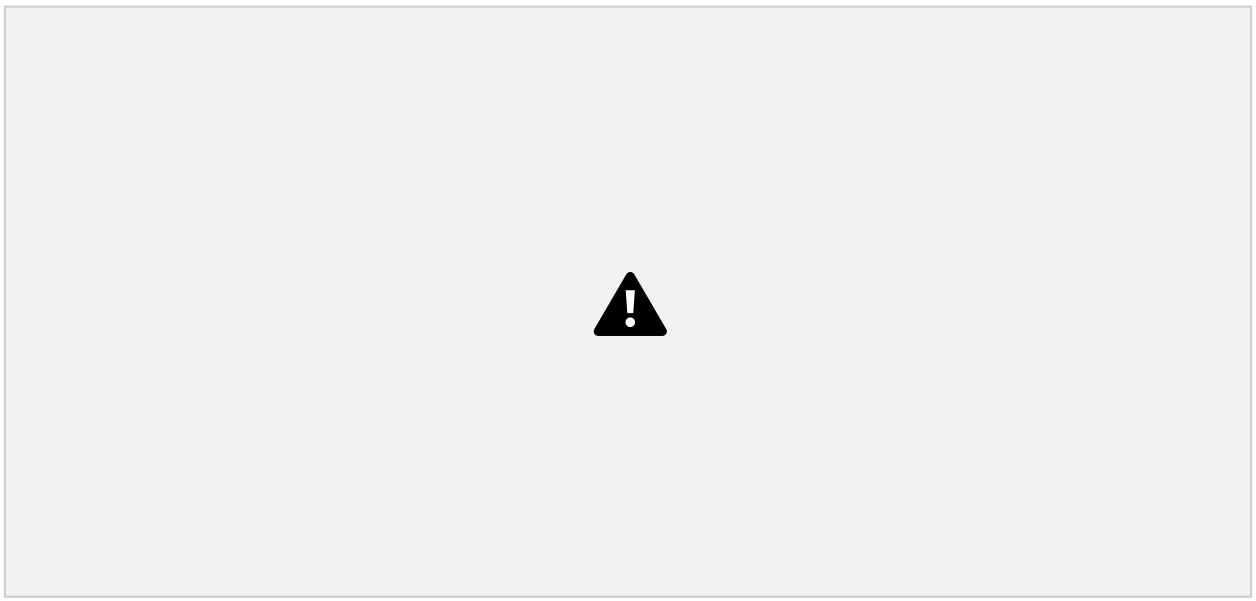


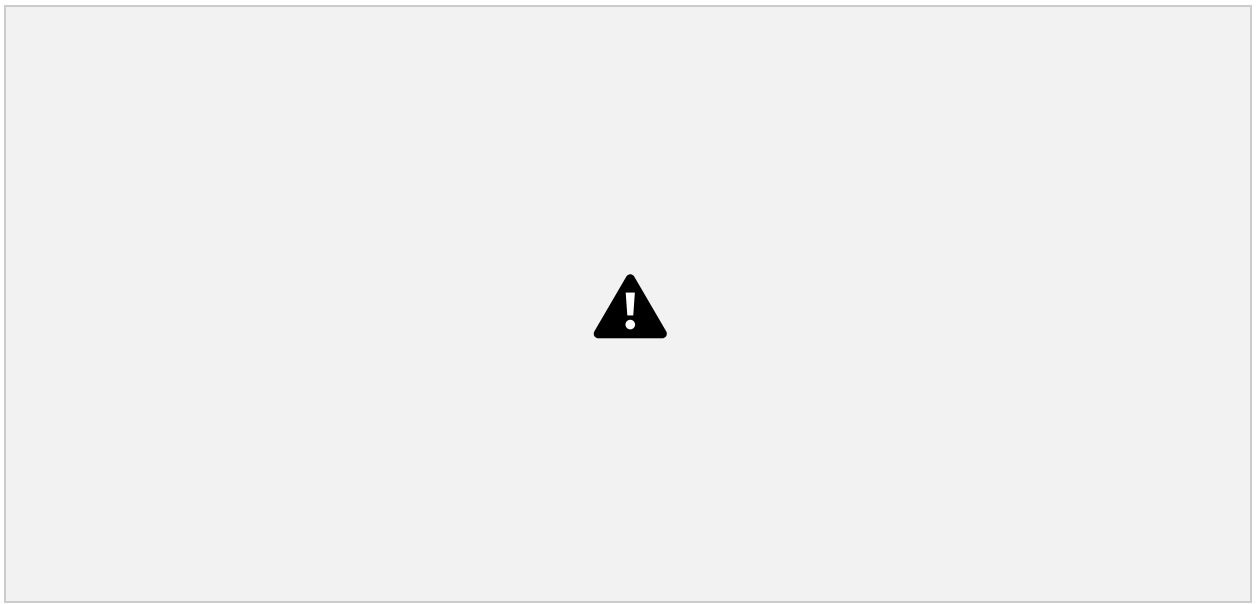
Q3]





Q4]





Q5]