Ramdeobaba University, Nagpur

Department of Computer Science and Engineering

Session: 2025-26

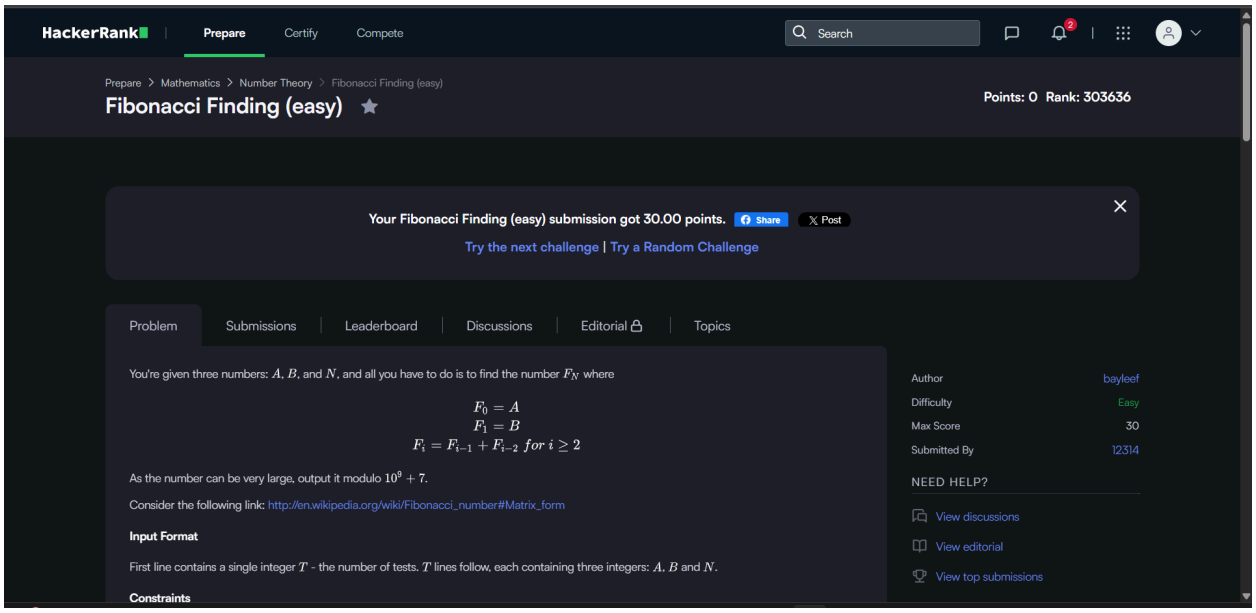
Technical Skills **III Semester**

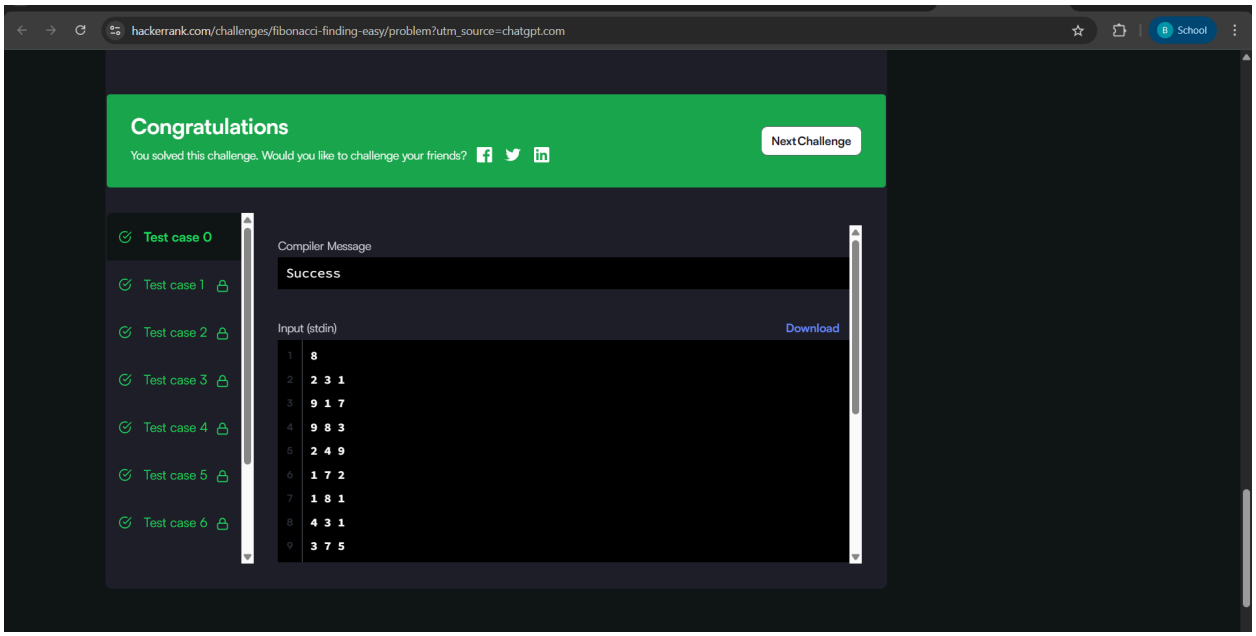
Name: Vardhan Ingole
Section: A4
Batch: B3
Roll No: 43

Task-1 submission

Q1): Fibonacci Finding

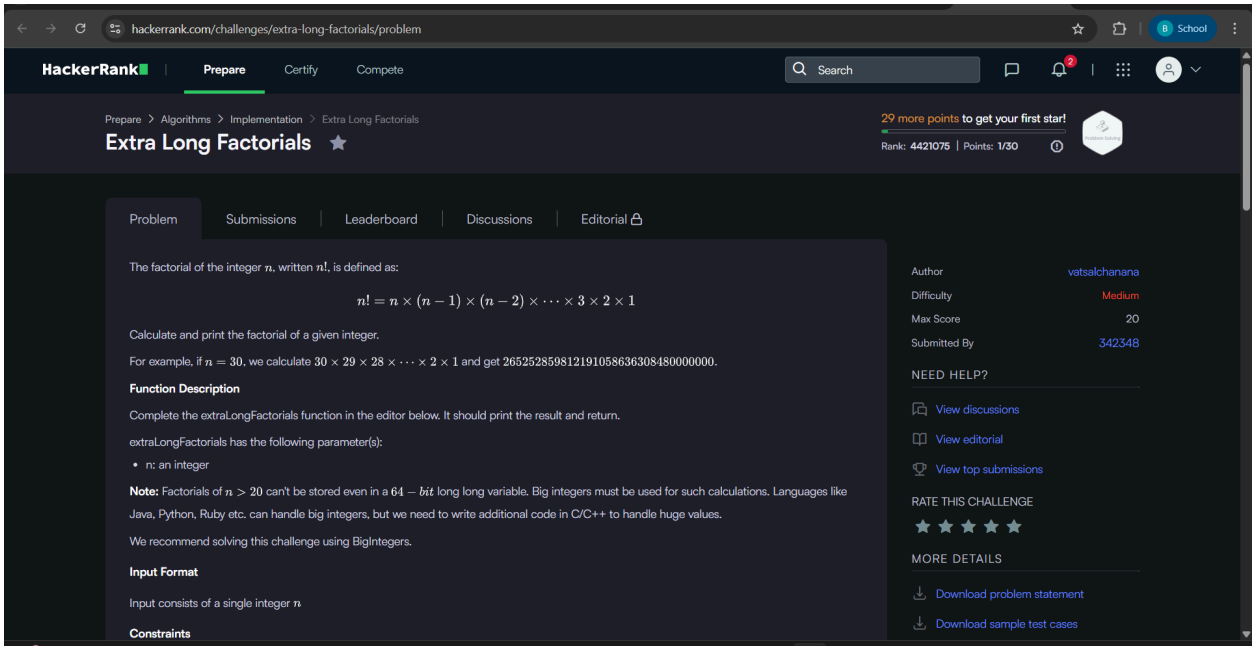
https://www.hackerrank.com/challenges/fibonacci-finding-easy/problem?utm_source=chatgpt.com

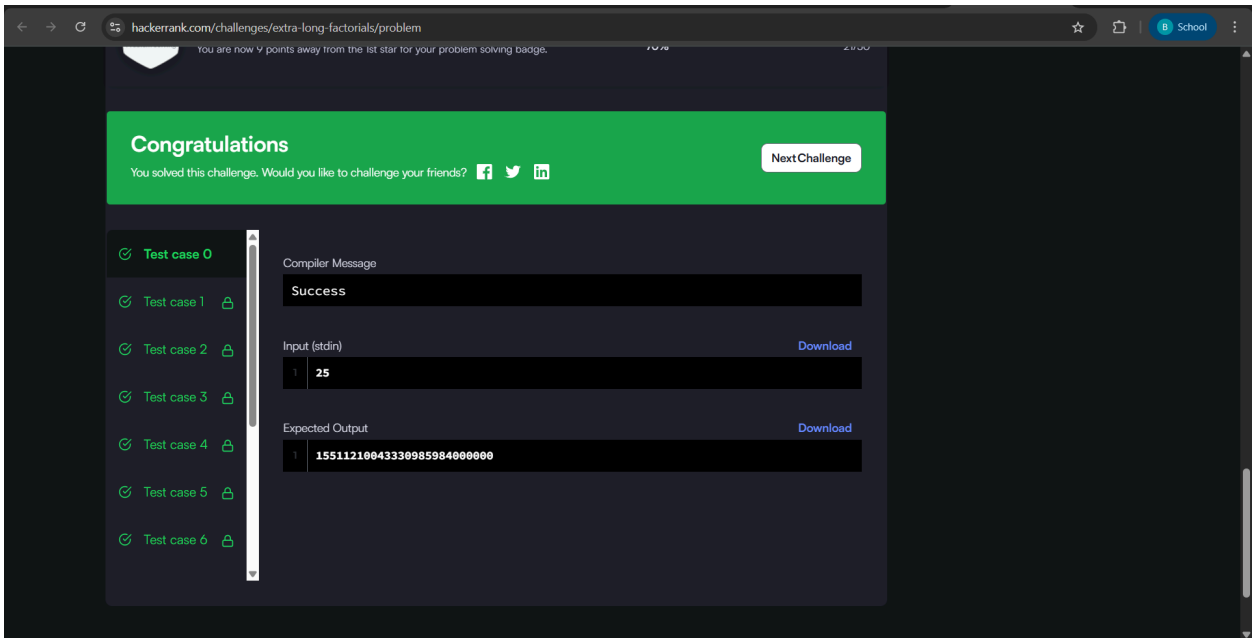




Q2): Extra Long Factorials

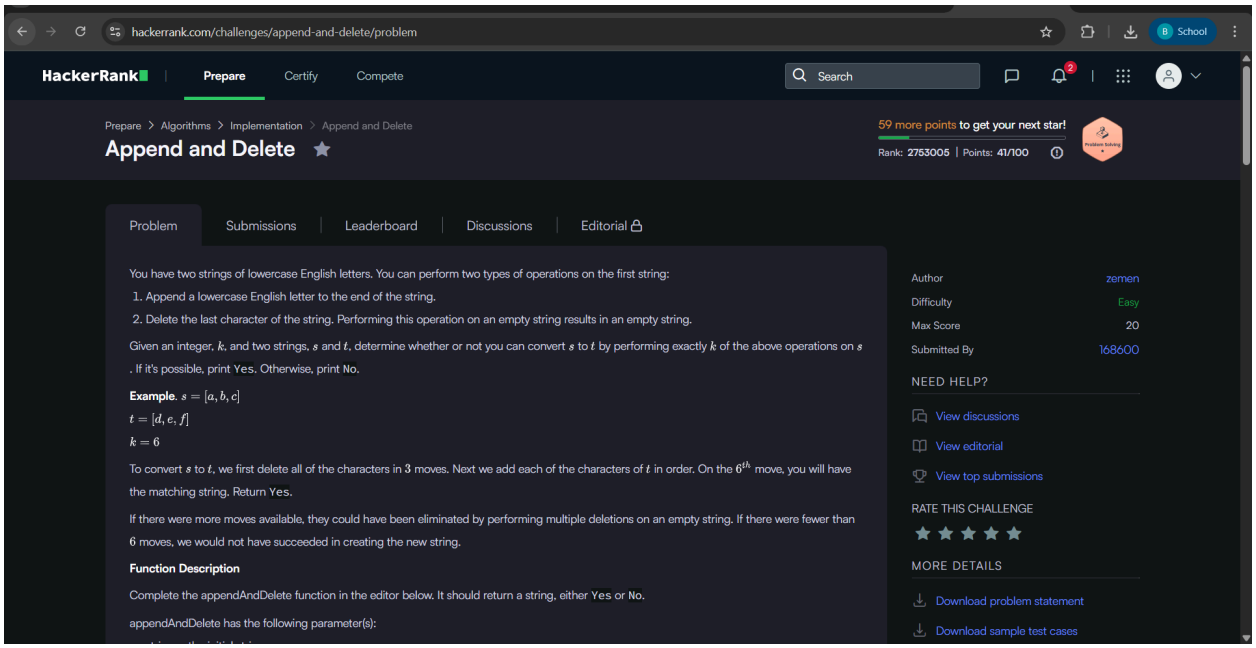
https://www.hackerrank.com/challenges/extra-long-factorials/problem

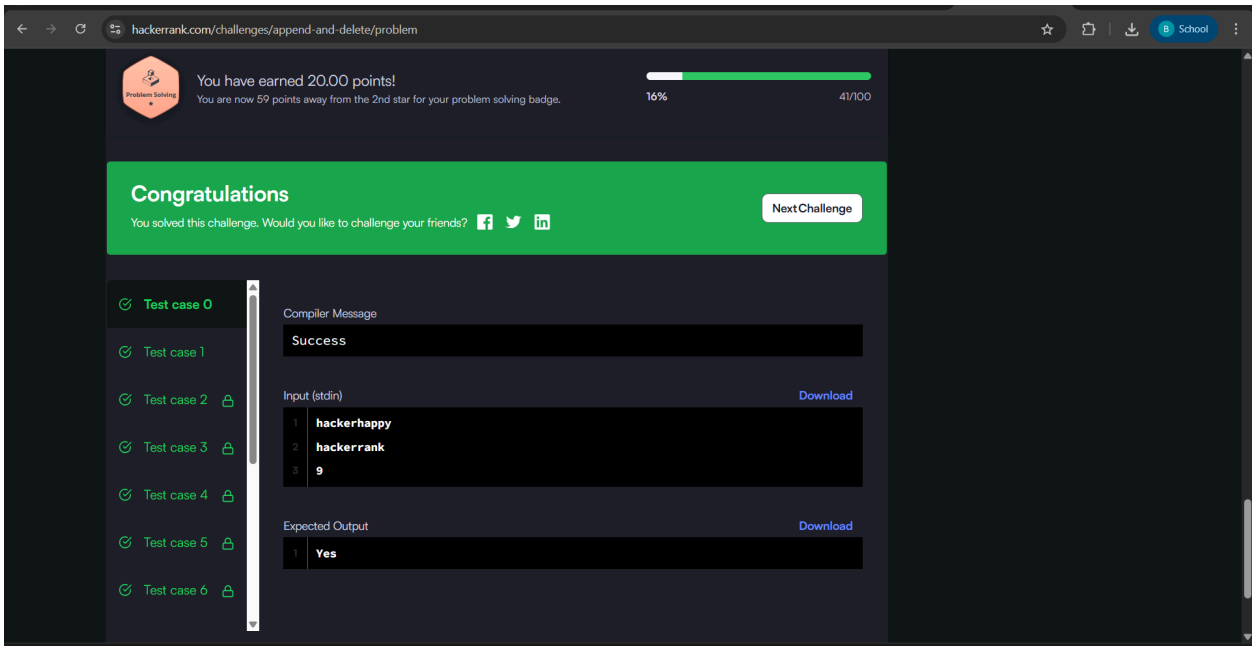




Q3): Append and Delete Algorithm Implementation

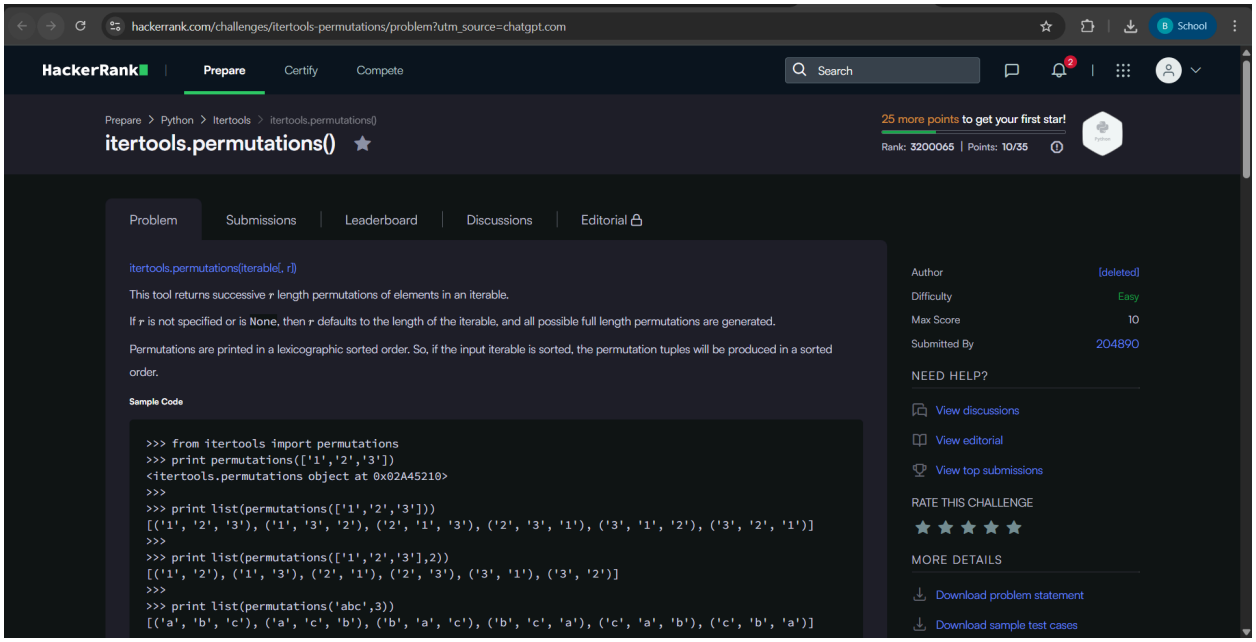
https://www.hackerrank.com/challenges/append-and-delete/problem

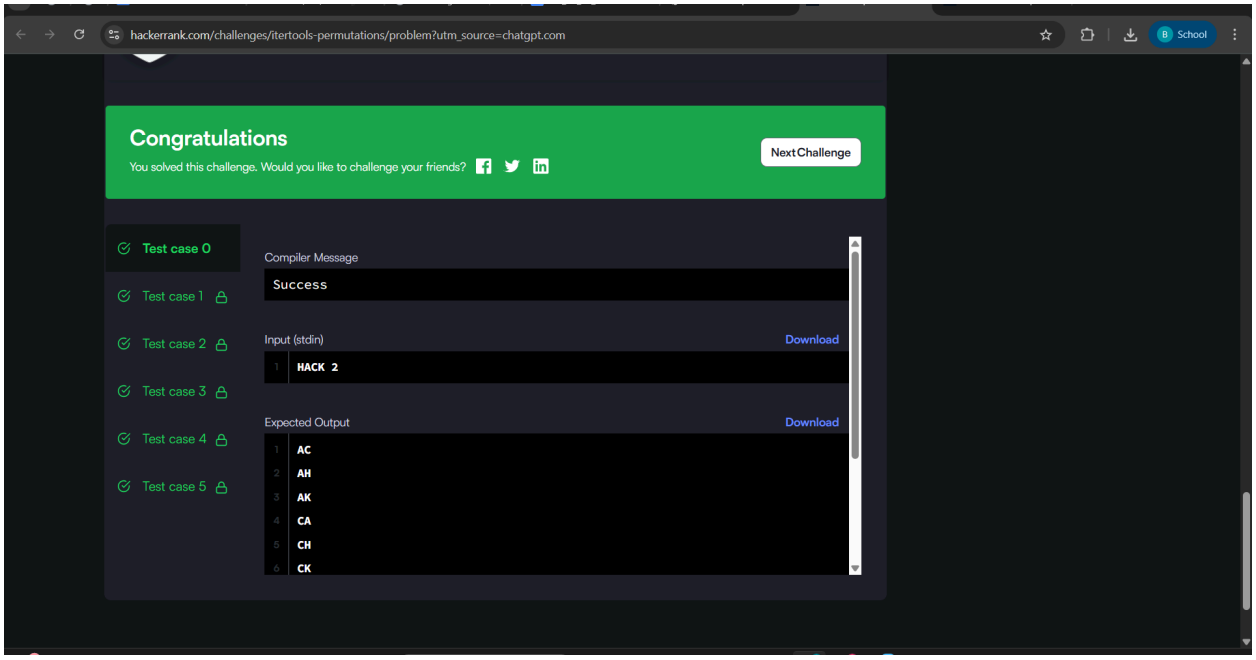




Q4): itertools.permutations() python

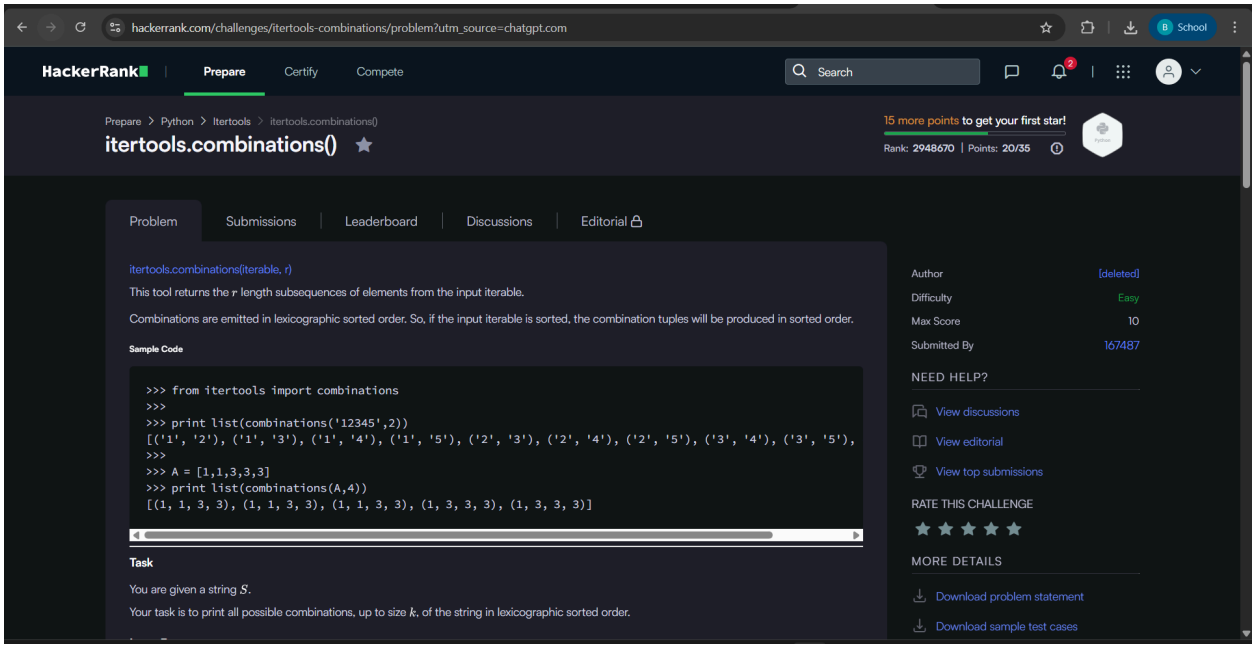
https://www.hackerrank.com/challenges/itertools-permutations/problem?utm_source=chatgpt.com

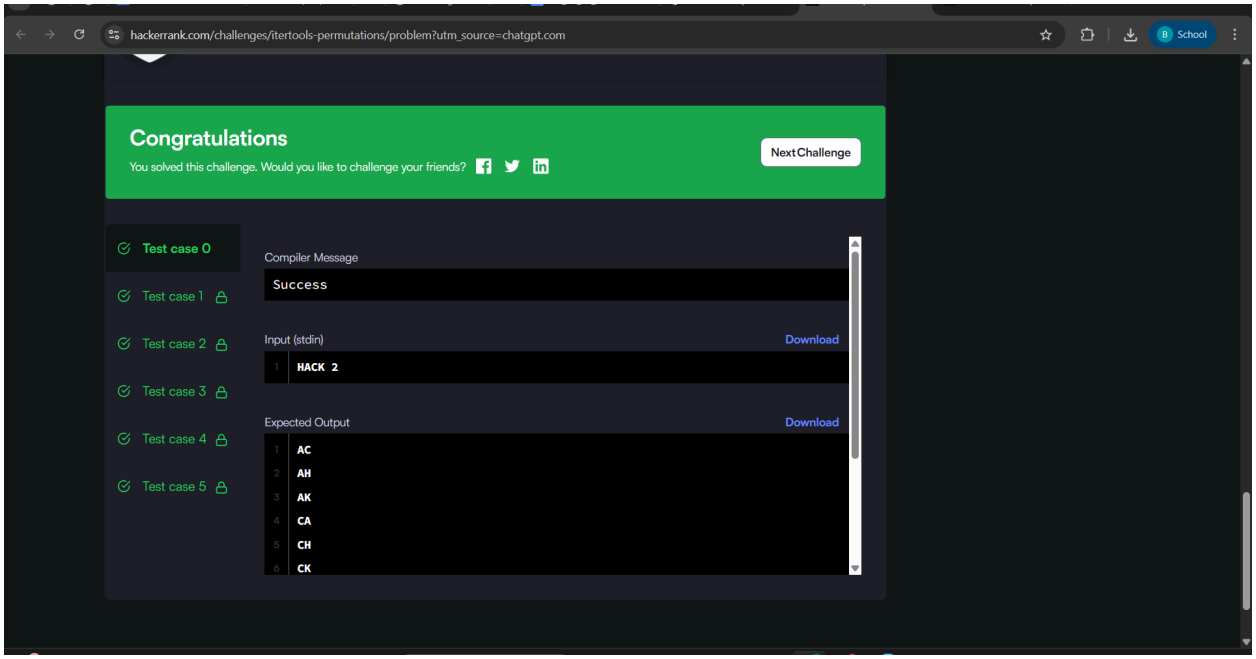




Q5): itertools.combinations() python

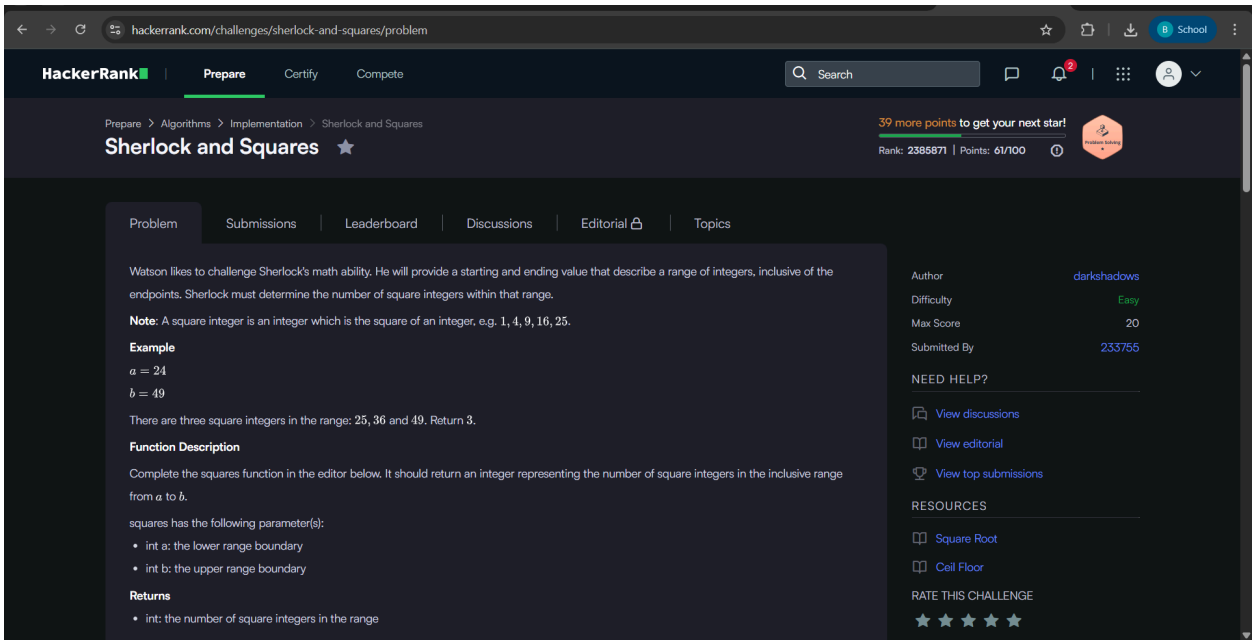
https://www.hackerrank.com/challenges/itertools-combinations/problem?utm_source=chatgpt.com

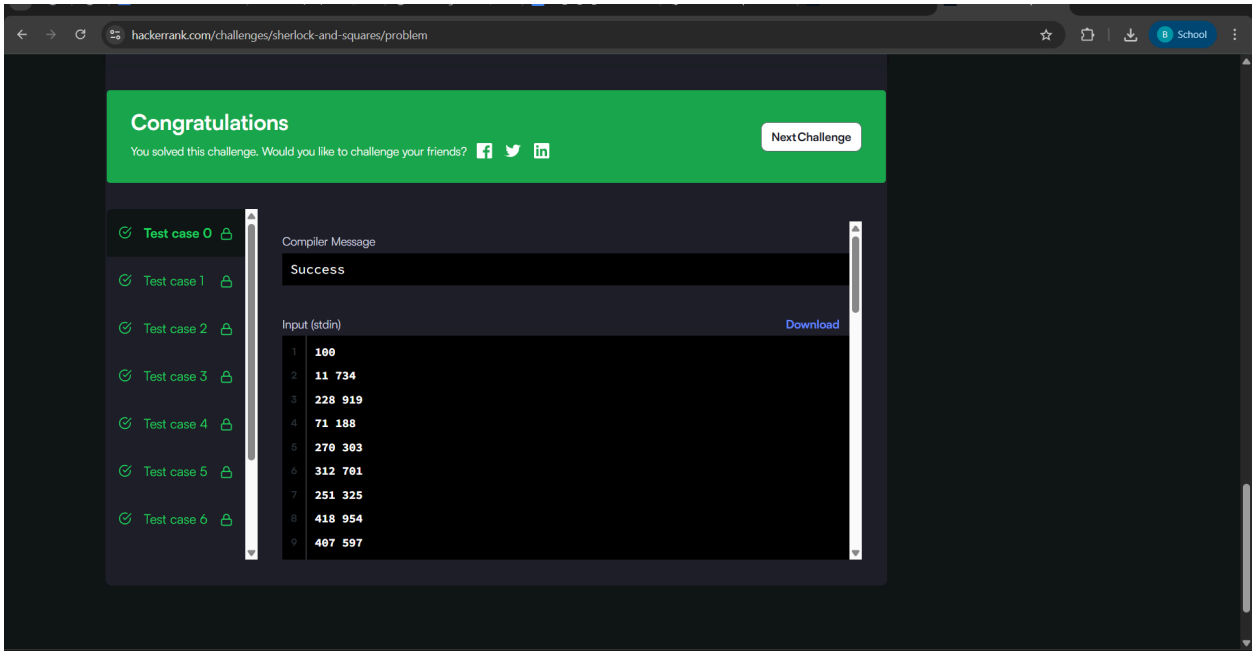


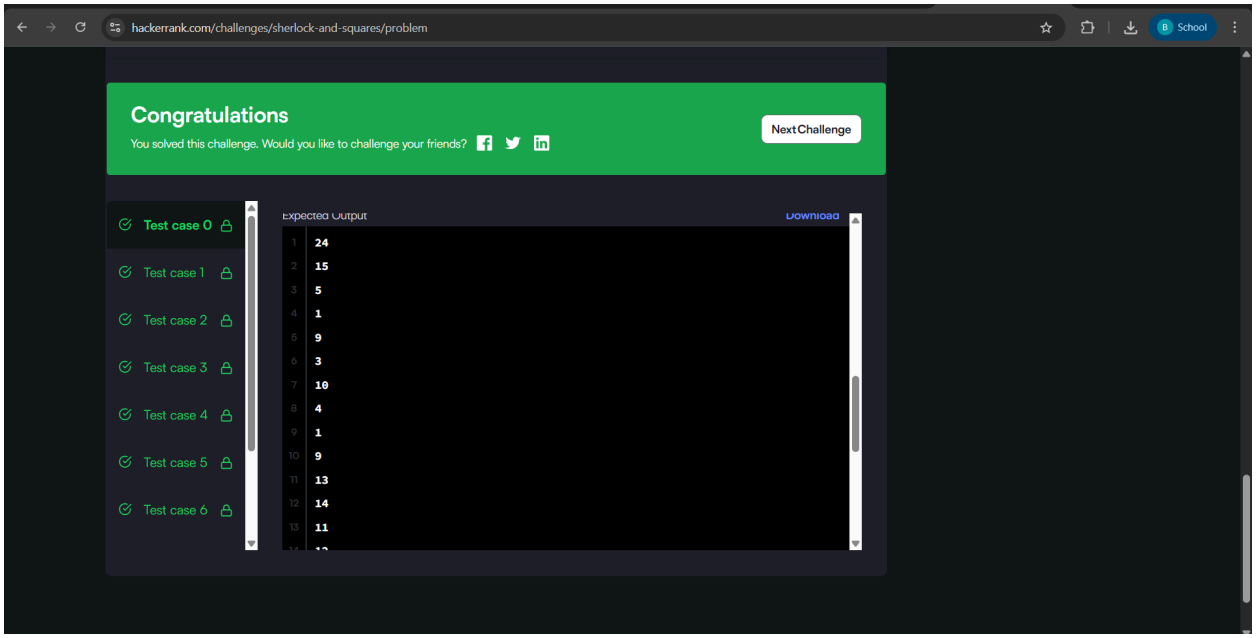


Q6): Sherlock and Squares Algorithm Implementation

https://www.hackerrank.com/challenges/sherlock-and-squares/problem

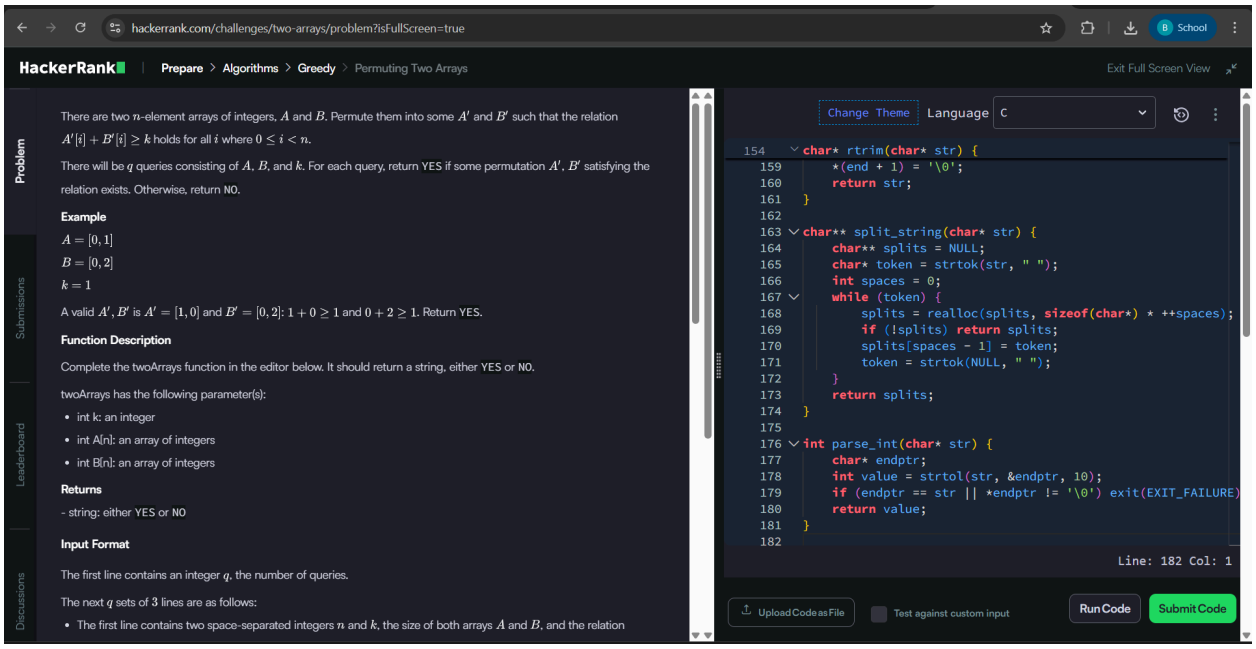

hackerrank.com/challenges/sherlock-and-squares/problem
HackerRank
Prepare
Certify
Compete
Search
Prepare > Algorithms > Implementation > Sherlock and Squares
Sherlock and Squares
39 more points to get your next star!
Rank: 2385871 | Points: 61/100
Problem
Submissions
Leaderboard
Discussions
Editorial
Topics
Watson likes to challenge Sherlock's math ability. He will provide a starting and ending value that describe a range of integers, inclusive of the endpoints. Sherlock must determine the number of square integers within that range.
Note: A square integer is an integer which is the square of an integer, e.g. 1, 4, 9, 16, 25.
Example
a = 24
b = 49
There are three square integers in the range: 25, 36 and 49. Return 3.
Function Description
Complete the squares function in the editor below. It should return an integer representing the number of square integers in the inclusive range from a to b.
squares has the following parameter(s):
int a: the lower range boundary
int b: the upper range boundary
Returns
int: the number of square integers in the range
Author darkshadows
Difficulty Easy
Max Score 20
Submitted By 233755
NEED HELP?
View discussions
View editorial
View top submissions
RESOURCES
Square Root
Ceil Floor
RATE THIS CHALLENGE

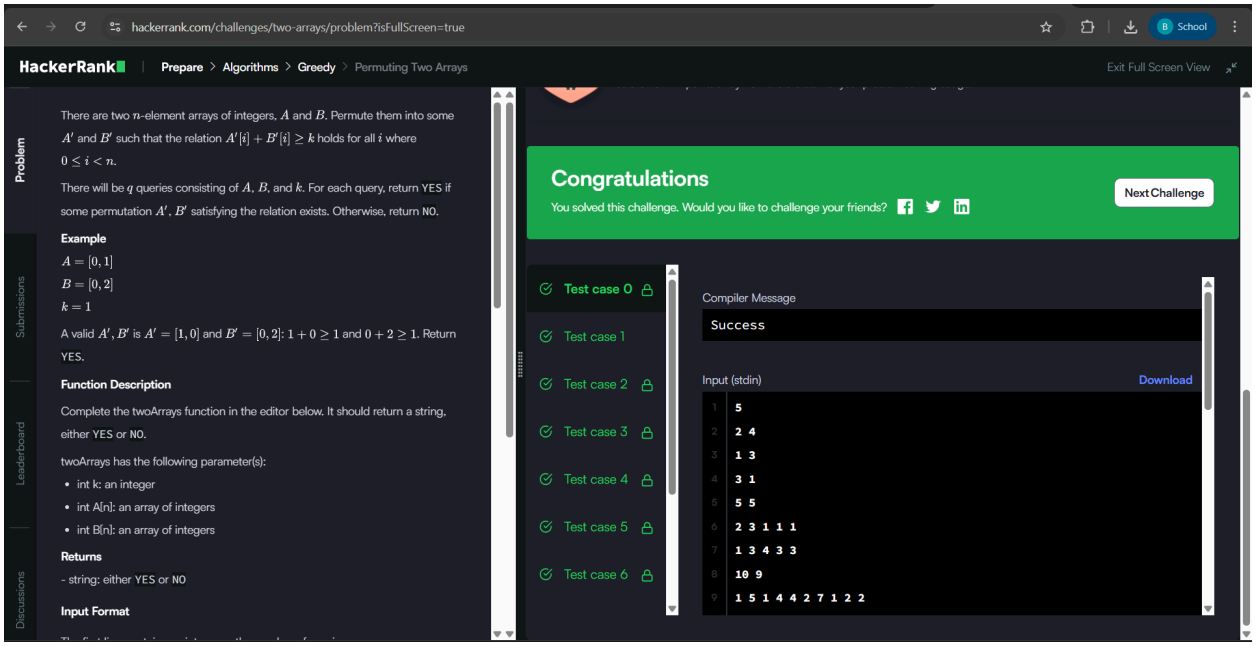

hackerrank.com/challenges/sherlock-and-squares/problem
Congratulations
You solved this challenge. Would you like to challenge your friends?
Next Challenge
Test case 0
Test case 1
Test case 2
Test case 3
Test case 4
Test case 5
Test case 6
Compiler Message
Success
Input (stdin)
Download
100
11 734
228 919
71 188
270 303
312 701
251 325
418 954
407 597



Q7): Permuting Two Arrays

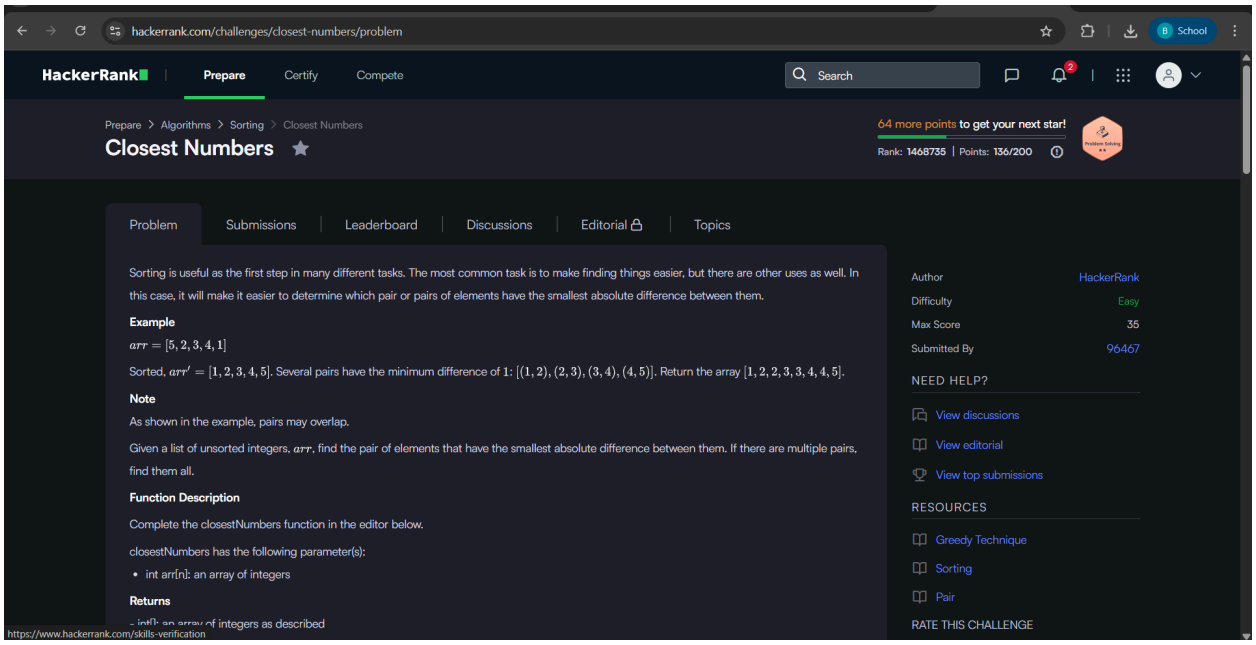
https://www.hackerrank.com/challenges/two-arrays/problem?isFullScreen=true

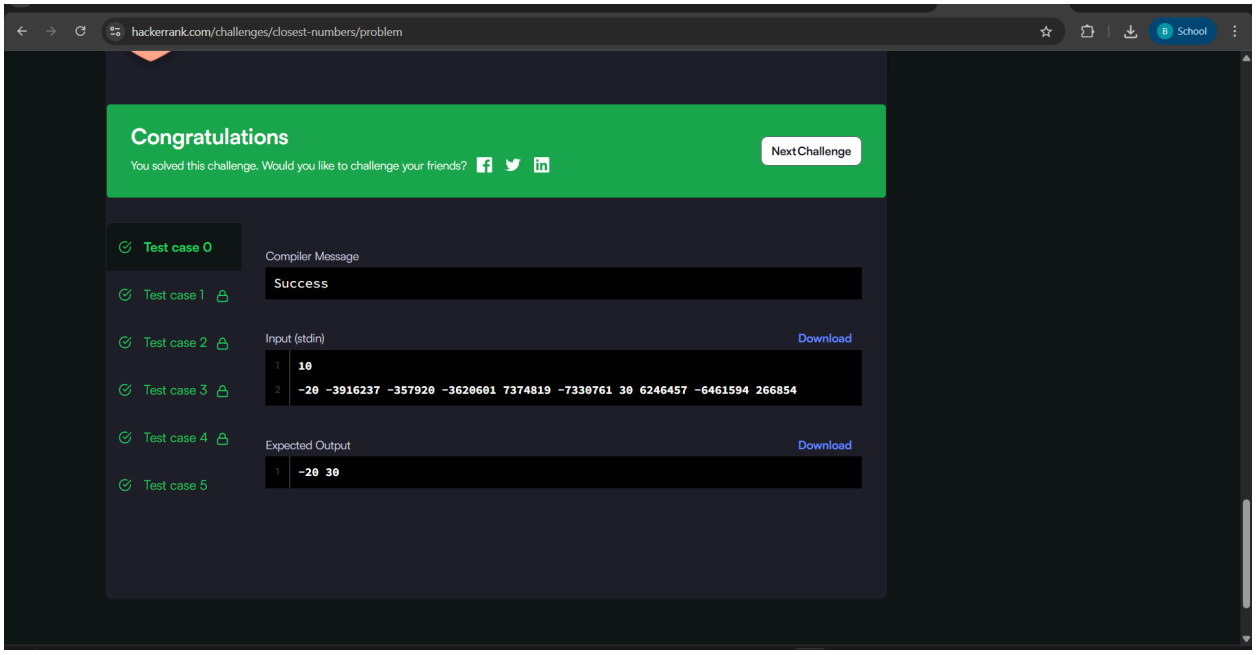




Q8): Closest numbers (sorting)

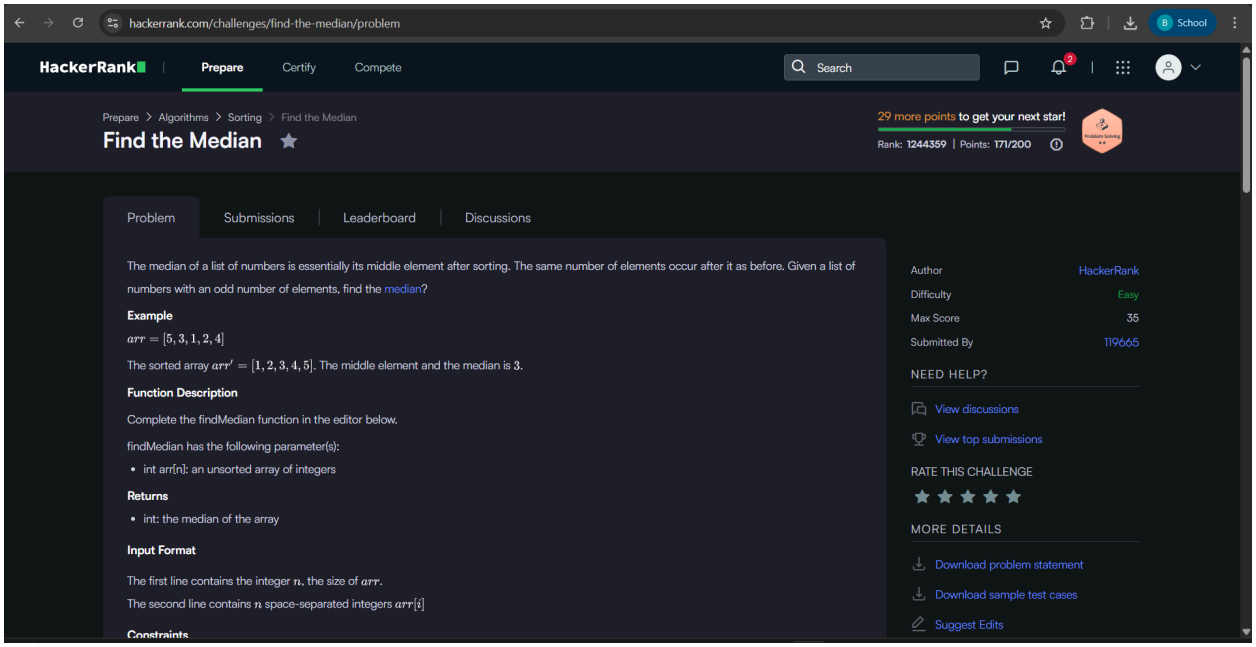
https://www.hackerrank.com/challenges/closest-numbers/problem

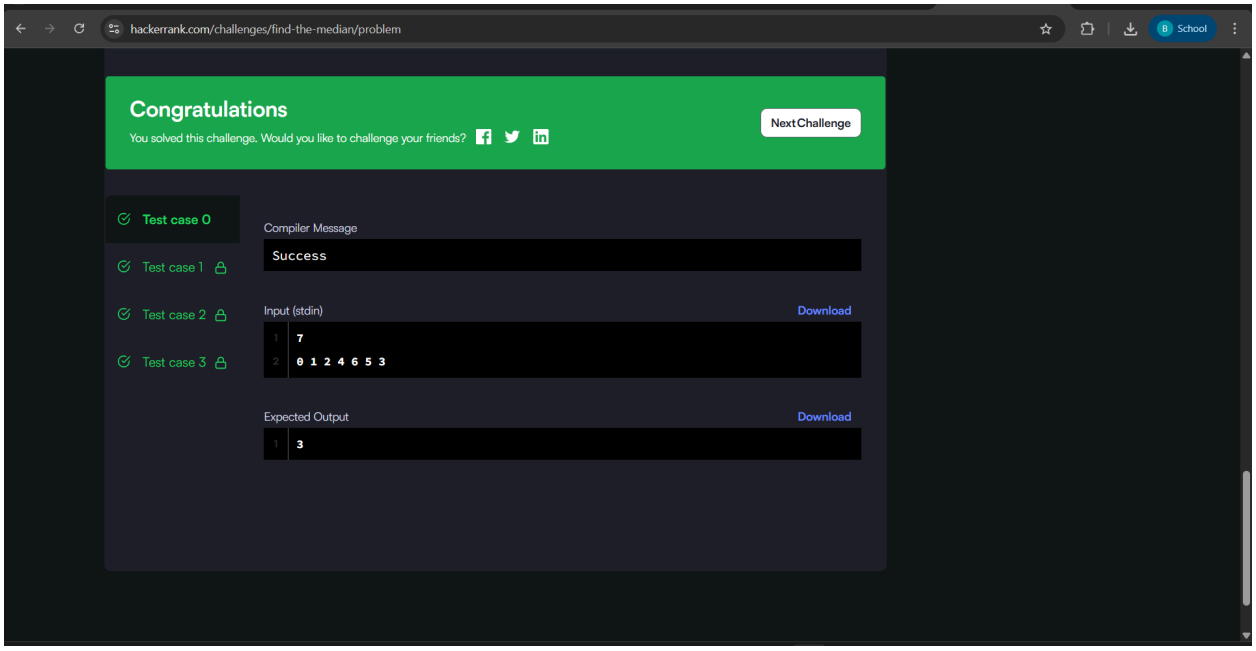




Q9): Find the Median (Sorting)

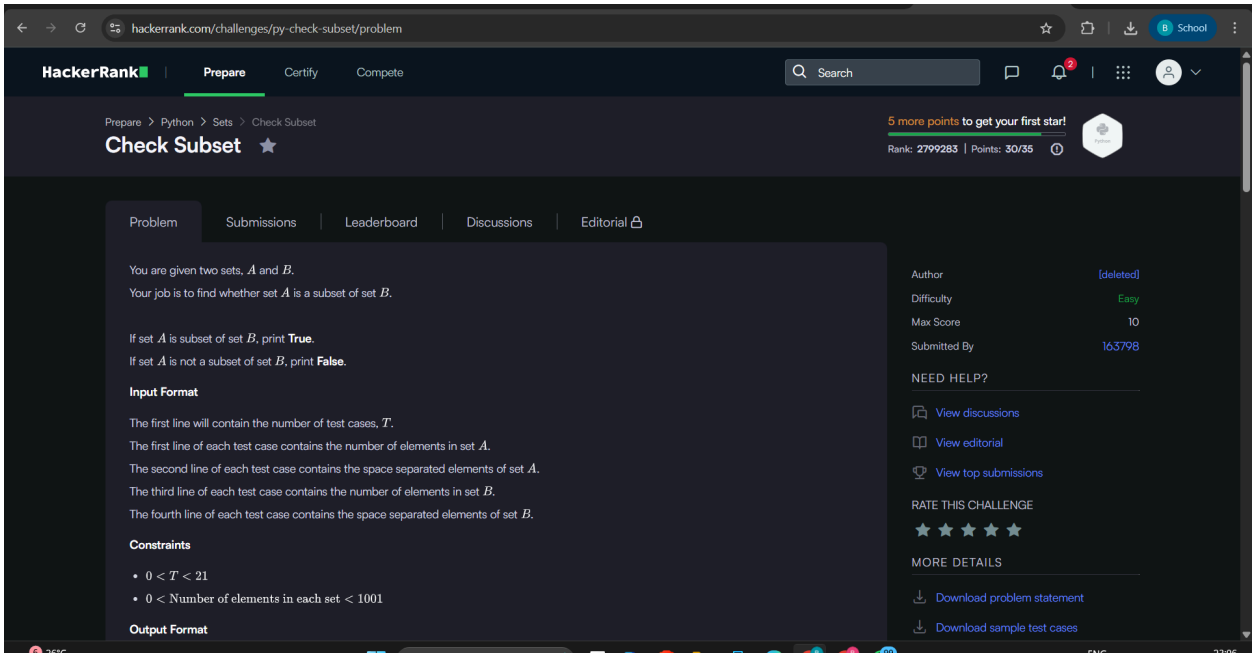
https://www.hackerrank.com/challenges/find-the-median/problem

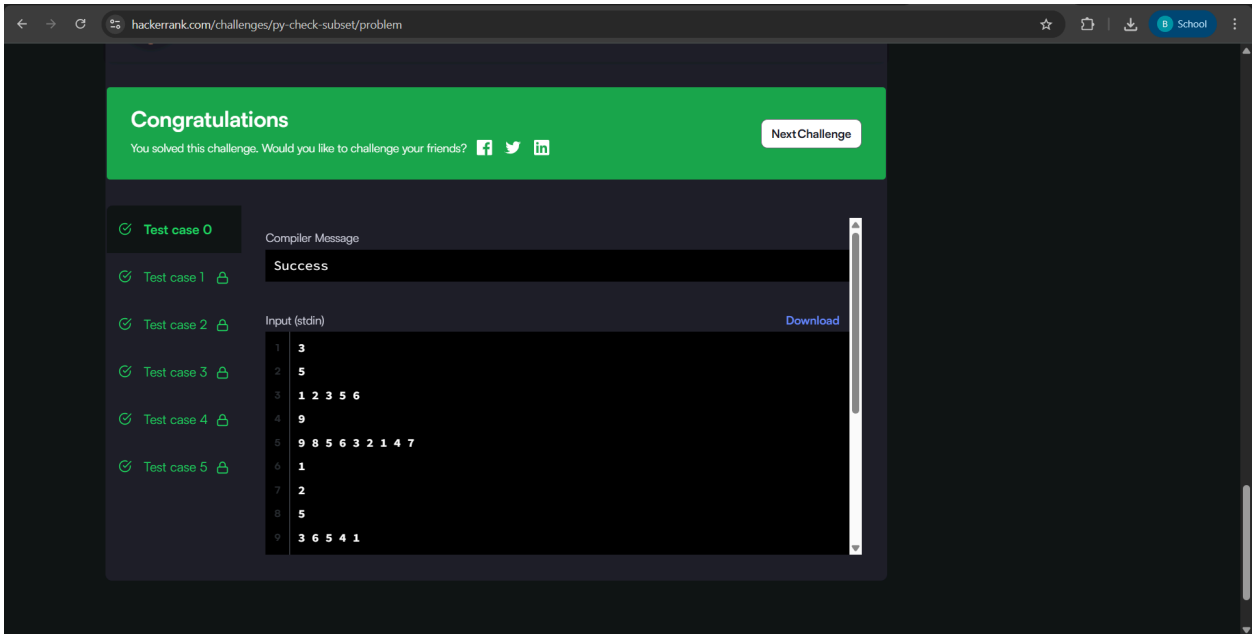


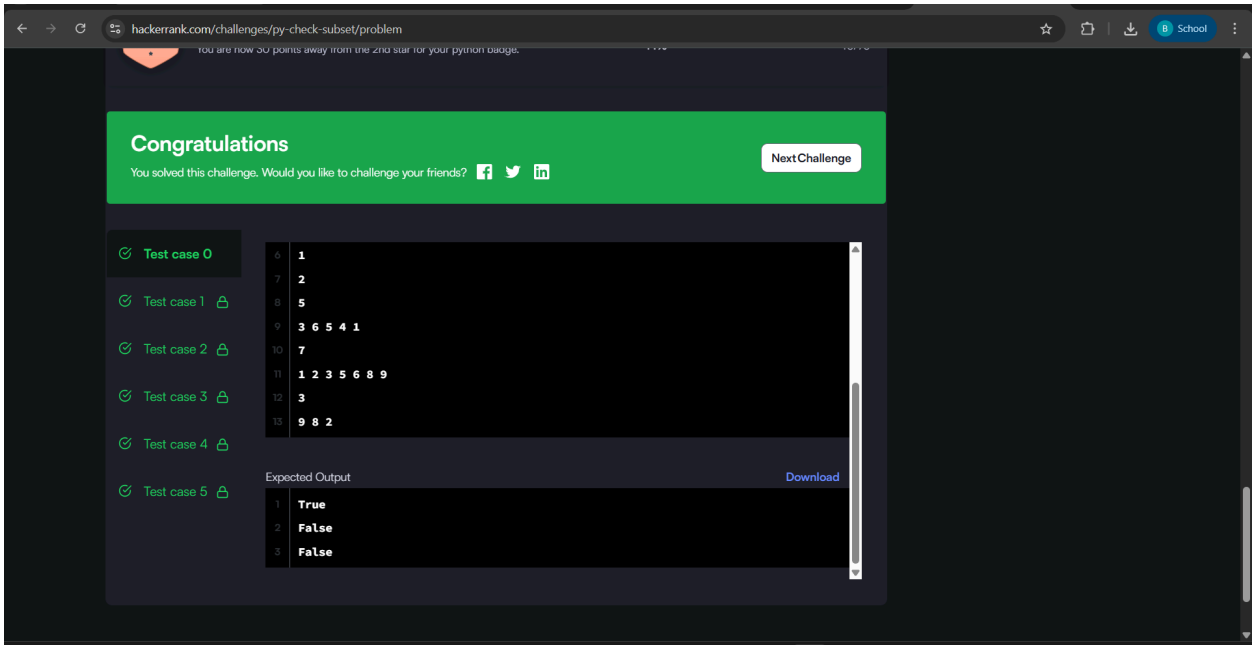


Q10): Check Subset (sets)

https://www.hackerrank.com/challenges/py-check-subset/problem

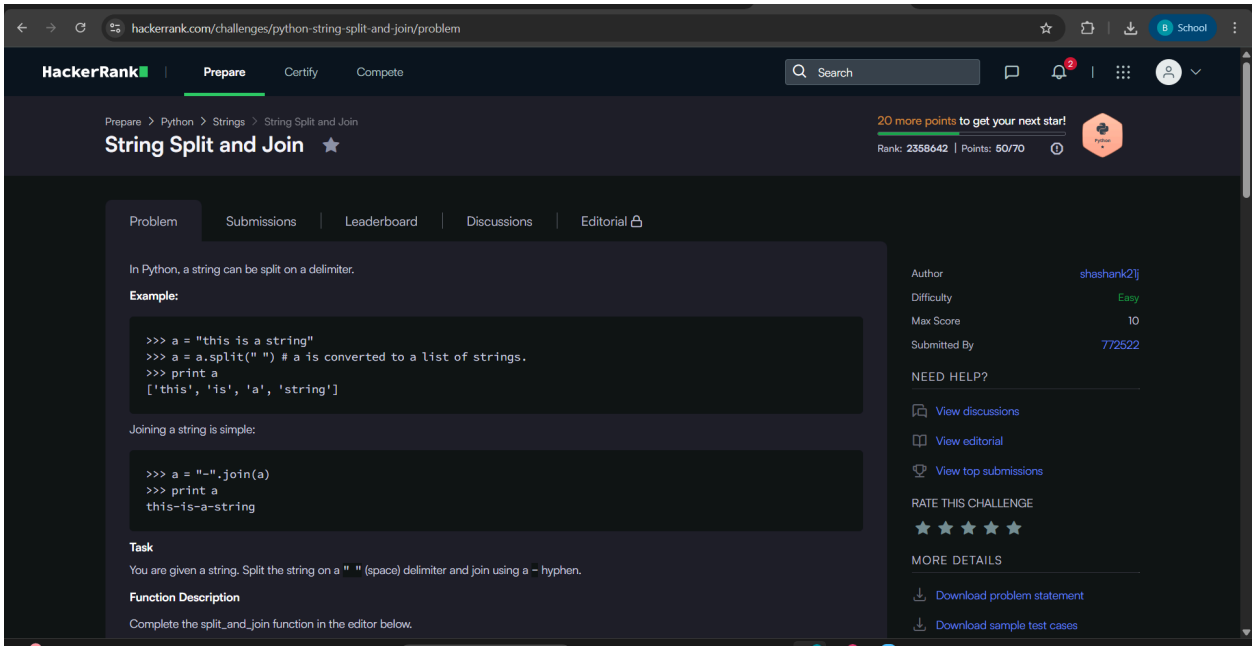


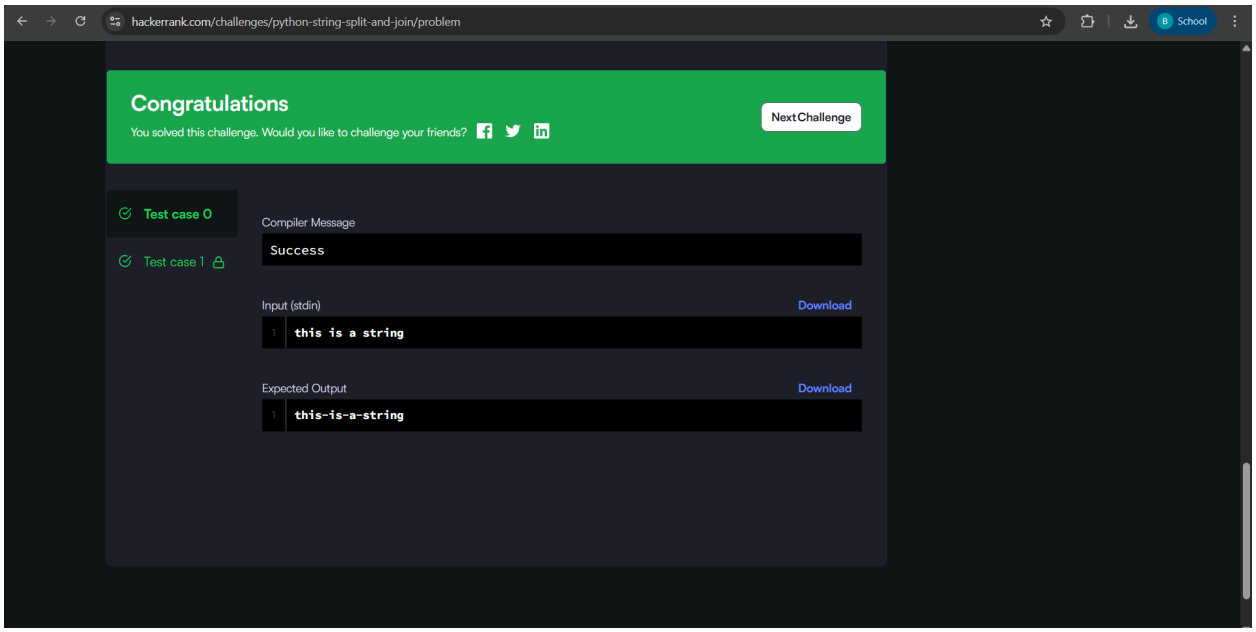




Q11): String Split and Join (Python Strings)

https://www.hackerrank.com/challenges/python-string-split-and-join/problem


hackerrank.com/challenges/python-string-split-and-join/problem
HackerRank
Prepare
Certify
Compete
Search
Prepare > Python > Strings > String Split and Join
String Split and Join
20 more points to get your next star!
Rank: 2358642 | Points: 50/70
Problem
Submissions
Leaderboard
Discussions
Editorial
In Python, a string can be split on a delimiter.
Example:
>>> a = "this is a string"
>>> a = a.split(" ") # a is converted to a list of strings.
>>> print a
['this', 'is', 'a', 'string']
Joining a string is simple:
>>> a = "-".join(a)
>>> print a
this-is-a-string
Task
You are given a string. Split the string on a " " (space) delimiter and join using a - hyphen.
Function Description
Complete the split_and_join function in the editor below.
Author
shashank21j
Difficulty
Easy
Max Score
10
Submitted By
772522
NEED HELP?
View discussions
View editorial
View top submissions
RATE THIS CHALLENGE
MORE DETAILS
Download problem statement
Download sample test cases


hackerrank.com/challenges/python-string-split-and-join/problem
Congratulations
You solved this challenge. Would you like to challenge your friends?
Next Challenge
Test case 0
Test case 1
Compiler Message
Success
Input (stdin)
Download
this is a string
Expected Output
Download
this-is-a-string