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# Function to calculate the square of a number
def square_number(number):
    return number ** 2

# Input and output file names
input_file_name = "input.txt"
output_file_name = "output.txt"

try:
    # Open the input file for reading
    with open(input_file_name, "r") as input_file:
        # Read the numbers from the input file
        numbers = [int(line.strip()) for line in input_file.readlines()]

    # Calculate the squares of the numbers
    squares = [square_number(number) for number in numbers]

    # Open the output file for writing
    with open(output_file_name, "w") as output_file:
        # Write the squares to the output file
        for square in squares:
            output_file.write(str(square) + "\n")

    print(f"Squares written to {output_file_name}")

except FileNotFoundError:
    print(f"Error: {input_file_name} not found.")
except Exception as e:
    print(f"An error occurred: {str(e)}")


first_names = open('first_names.txt', 'r').readlines()
last_names = open('last_names.txt', 'r').readlines()
full_names = [first_name.strip() + ' ' + last_name for first_name,
last_name in zip(first_names, last_names)]
with open('full_names.txt', 'w') as f:
    for name in full_names:
        f.write(name + '\n')

# Function to calculate the mean grade for a list of grades
def calculate_mean(grades):
    total = sum(grades)
    return total /len(grades)

# Input and output file names
input_file_name = "input.txt"
output_file_name = "output.txt"

# Open the input file for reading
with open(input_file_name, "r") as input_file:
    lines = input_file.readlines()

# Open the output file for writing
with open(output_file_name, "w") as output_file:
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    for line in lines:
        # Split the line into a list of grades
        grades = list(map(int, line.split()))

        # Calculate the mean grade
        mean_grade = calculate_mean(grades)

        # Write the mean grade to the output file
        output_file.write(f"{mean_grade} ")

print("Mean grades have been written to the output file.")
```