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#1.
with open('class_scores.txt', 'r') as input_file:
  lines = input_file.readlines()
with open('scores2.txt', 'w') as output_file:
  for line in lines:
    username, score = line.split()
    new_score = int(score) + 5
    output_file.write(f"{username} {new_score}\n")
print("Scores updated and saved to scores2.txt")


#2.
passing_score = 70
with open('grades.txt', 'r') as file:
  passed_all_tests_count = 0
  for line in file:
    username, score1, score2, score3 = line.split()
    score1 = int(score1)
    score2 = int(score2)
    score3 = int(score3)
    if score1 >= passing_score and score2 >= passing_score and score3 >=
      passed_all_tests_count += 1
print("Number of students who passed all tests:", passed_all_tests_count


#3.
with open('students.txt', 'r') as input_file:
  with open('students2.txt', 'w') as output_file:
    for line in input_file:
      parts = line.split('\t')
      if len(parts) == 3:
        fir_name, last_name, email, phone = parts
        fir_name = fir_name.capitalize()
        last_name = last_name.capitalize()
        phone = '301-' + phone
        output_file.write(f"{first_name} {last_name}\n{email}\n{phone}\n'
print("Processing complete. Check students2.txt for the result.")
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#4.
file = open("baseball.txt","r")
lines = file.readlines()
for i in lines:
  i=i.split()
  homeRuns = int(i[9])
  stolenBases = int(i[13])
  if homeRuns>=20 and stolenBases>=20:
    print(i[0],i[1])
file.close()


#5.
def letter_frequency(word):
    frequency = {}
    for letter in word:
        frequency[letter] = frequency.get(letter, 0) + 1
    return frequency
user_input = input("Enter a string of lowercase letters: ")
user_frequency = letter_frequency(user_input)
matching_words = []
with open('wordlist.txt', 'r') as file:
    for word in file:
        word = word.strip()
        word_frequency = letter_frequency(word)
        is_valid_word = True
        for letter, freq in word_frequency.items():
            if letter not in user_frequency or user_frequency[letter] <
                is_valid_word = False
                break
        if is_valid_word:
            matching_words.append(word)
print("Words that can be formed from the letters of the user's string:"
for word in matching_words:
    print(word)
```