



STUDENT REPORT

DETAILS

Name

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Roll Number

KUB23CSE131

EXPERIMENT

Title

MISSING ALPHABETS

Description

Pangram is a sentence containing every letter in the English alphabet. Given a string, find all characters that are missing from the string, i.e., the characters that can make the string a Pangram. We need to print output in alphabetic order.

For example,

Input: welcome to geeksforgeeks

Output: abdhijnpqvxyz

Source Code:

```
def missing_characters(input_string):  
    # Define the alphabet  
    alphabet_set = set('abcdefghijklmnopqrstuvwxyz')  
  
    # Create a set of characters found in the input string, in lowercase  
    input_set = set(input_string.lower())  
  
    # Find missing characters by subtracting input_set from alphabet_set  
    missing_chars = alphabet_set - input_set  
  
    # Sort the missing characters  
    sorted_missing_chars = sorted(missing_chars)  
  
    # Join the sorted characters into a string  
    return ''.join(sorted_missing_chars)  
  
# Example usage  
input_str = "welcome to geeksforgeeks"  
output = missing_characters(input_str)  
print(output) # Output: abdhijnpqvxyz
```

RESULT

1 / 5 Test Cases Passed | 20 %