**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ID: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Sec: \_\_\_\_\_\_**

Write a python program that operates in the following way-

- The program asks the user to input an integer, X that is greater than 1.

- The program will print “Invalid Input” if the user inputs otherwise.

- The program asks for X number of strings where each string has the length of X. If the user inputs a string of less or greater than the length of X, print “Invalid Input”.

- The program then calculates and prints the summation of the ASCII value of every first character and every last character of all the strings. **[CO6]**

| **Sample Input 1:**  3  ABc  DeF  GhL  **Sample Output 1:**  Summation of every first char: 204  Summation of every last char: 245  **Explanation 1:**  The program asks the user to input an integer that is greater than 1.  The user enters 3.  Then the program asks the user to input 3 strings where each string has 3 characters.  The user enters ABc, DeF and GhL respectively.  The program then calculates the summation of every first digit, (65+68+71 = 204) and every last digit, (99+70+76 = 245) of all the numbers.  Finally, the program prints:  “Summation of every first char: 11”  “Summation of every last char: 13” | **Sample Input 2:**  -1  **Sample Output 2:**  Invalid Input  **Explanation 2:**  The user is supposed to enter a positive integer in the first input. But, the user entered otherwise, thus it is printing “Invalid Input”. | **Sample Input 3:**  2  FyZ  **Sample Output 3:**  Invalid Input  **Explanation 3:**  The user is supposed to enter a string of length 2. But, the string is of length 3, which is why it is printing “Invalid Input”. |
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**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ID: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Sec: \_\_\_\_\_\_**

Write a python program that operates in the following way-

- The program asks the user to input an integer, X that is greater than 2.

- The program will print “Invalid Input” if the user inputs otherwise.

- The program asks for X number of strings where each string has the length of X. If the user inputs a string of less or greater than the length of X, print “Invalid Input”.

- The program then calculates and prints the summation of the ASCII value of every first two characters and every last two characters of all the strings. **[CO6]**

| **Sample Input 1:**  4  ABcD  DeFG  GhLk  MnOp  **Sample Output 1:**  Summation of every first two chars: 662  Summation of every last two chars: 682  **Explanation 1:**  The program asks the user to input an integer that is greater than 2.  The user enters 3.  Then the program asks the user to input 3 strings where each string has 3 characters.  The user enters ABc, DeF and GhL respectively.  The program then calculates the summation of every first two chars and every last two chars of all the strings. Finally, the program prints:  “Summation of every first two chars: 662”  “Summation of every last two chars: 682” | **Sample Input 2:**  -1  **Sample Output 2:**  Invalid Input  **Explanation 2:**  The user is supposed to enter a positive integer in the first input. But, the user entered otherwise, thus it is printing “Invalid Input”. | **Sample Input 3:**  2  FyZ  **Sample Output 3:**  Invalid Input  **Explanation 3:**  The user is supposed to enter a string of length 2. But, the string is of length 3, which is why it is printing “Invalid Input”. |
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