

STRING

1. Take a string from the user and check if it is a palindrome.
2. Count the number of characters, words, letters, vowels, digits and symbols in a string.
3. Take a string from the user then replace all the vowels in that string with *s.
4. Take the name of the user and store it in a single string. Print the last name followed by a comma, and then print the first letter of the first name followed by a dot. For instance, if the user enters "Josna Begom", your program should display "Begom, J."
5. Take 10 names from the user, store them in an array. Then sort the names in ascending order based on the **first** name. Also sort the array based on their **last** names.
6. Take a string from the user, print the reverse string.
7. Take a sentence from the user and print only the first letters of each word.
8. Take a string from the user and count the number of uppercase and lowercase letters.
9. Take a string from the user and change the lowercase letters to uppercase and uppercase letters to lowercase.
10. Take a sentence and print the words in reverse order. If the user enters "Independent University Bangladesh", your program should print "Bangladesh University Independent".
11. Check if an email address is valid or not. A valid email address will have the format: [XXXXXXX@XXXXX.XXX](#). The email address must contain a part before the at (@), another part after at (@) and before the dot (.) and the last part after the dot (.).
12. Write a program to check if a string is a number or not. Example: 12312 is a number but 12312t34 is not a number.
13. Write a program that checks if a mobile phone number is valid or not (in Bangladesh).
14. Write a program to check if an identifier is valid or invalid. Identifier is the name of a variable/class/function.