

PYTHON

Assignment

1. Write a Python program that asks the user to input a word and then prints the first and last character using indexing.
2. Write a Python program to take a word as input and print the second last character using negative indexing.
3. Create a program that asks the user to input a word. Print the first three characters and the last three characters using slicing
4. Write a program that takes a sentence as input and prints every second character using slicing with a step value.
5. Write a Python program that takes a word as input and prints the word in reverse order using slicing.
6. Create a program that asks the user for two words and concatenates them with a space in between, then prints the result.
7. Write a Python program that asks the user for a word and a number. Print the word repeated that many times.
8. Write a Python program to take a sentence as input and print the number of characters (length) using the len() function.
9. Write a program that asks the user for a word and a letter. Check if the letter exists in the word using indexing and print the result.
10. Write a program that takes a word as input and prints the middle character if the length is odd, or the two middle characters if the length is even.

11. Create a program that takes a word as input and prints a new string formed by the first and last characters concatenated together.
12. Write a program that takes two words as input. Slice the first half of the first word and concatenate it with the second half of the second word.
13. Write a Python program to take a word and a number as input. Repeat the word, slice it to the first half, and print the result.
14. Create a program that takes a sentence as input. If the length of the sentence is greater than 20 characters, print the first 10 characters; otherwise, print the entire sentence.
15. Write a program that asks the user to input a word and prints the word without its first and last character using slicing.