

Homework – Lecture 5

1. Using this string - **str1 = "It's always darkest before dawn."** create a new string by putting together the first, fifth, last and one before the last character.
2. Try to read on the internet what the string replace method does and what arguments are needed. Then try to replace all occurrences of "a" with "?" character in the original string from exercise 1.
3. Write a **function** to return a reversed version of a given word (or longer sentence). There is a nice Python trick :)
4. Ask the user for a string and print out whether this string is a palindrome or not. (A palindrome is a string that reads the same forwards and backwards.)
5. What is the length of the string from the first exercise?
6. Write a **function** which takes as argument any string and returns length of that given string
7. Write a **function** where you give a word and number and it will return a substring from the start of the string up to the number given. Try to format answers nicely using formatting options from the lesson. Consider that the number can be larger than the length of the string.
8. Write a while loop that adds all the numbers up to 100 (inclusive) and print the sum.
9. Change the Rock, Scissors, Paper to repeat the game until the user enters the "end".