

Exercise 174: Run-Length Encoding

(Solved—36 Lines)

Write a recursive function that implements the run-length compression technique described in Exercise 173. Your function will take a list or a string as its only parameter. It should return the run-length compressed list as its only result. Include a main program that reads a string from the user, compresses it, and displays the run-length encoded result.

Hint: You may want to include a loop inside the body of your recursive function.