Assignment 1

Write possible interactive program to automate the breaking of a simple Caesar type substitution cipher, which shifts the plainletters to the left or right by specified number of positions. The user may have occasion to steer the decryption process. Program should include statistical indicators such as counter keeping track on the number of turns, permutations being tested, etc. Human intervention is allowed but should be minimal. Your program will be tested on several simple substitution ciphers. This project is rather easy. You can get up to 5 points for the present assignment depending on quality of your program.

You can use the following sample text to test your program code.

EDDBCCDDCEBDACCDEEEBDBDBDEEDBDBDCDCCCACCEDBCEDCDAEACCEDCDCEC CADBCECBEDDCDECCCBBDDBDDADCDCCDDBCEDDBCDCDCDCBDEBCADDEEEE ACBEDDCDEBECECCBEDEDCBBDBDBDBBEADDDCBEEDBDBDCDCDEDCCECCDB DDACCDDBDEBDCEBDBEECCBEBDCEDBDDDBACDEDBEDCCACDDBCBEBCBEBCD CCACAECCDCCEBDDBDCACCDBCCABCABADAEDDBCCDCBEADADDCECDCE DBBDCDAACCAECCCCBEAEDECDCCACCDDBBCCAECCBCDCCBECBDBAADBCBEACDBBDBEA DCCDBEBDEBDCEEBDBEABADDCBDCCDBECECCEEEDDBCCDCBEADADD CECDCEBDBDCDAACCEADECCCCCECCBEAEDECDCCCDDAAACADCDDEEEEAECCCAECD CEBCBECDADBDCDBDCEDCDCEBECEACCAACDBADACBECCEBDBCEACCEDEBBD CDBECEDDBECDCEBCEACCCDAACDBECDDBEDBCDCDECDDDBBACECDEEDEEAEB BCABADDADBDCDBDCDBECHCEACDEAEDDBEBECDDCDADDBDBDDDDBDEDDBCCD DCCDBEDDBDBCCADAADDDECDCCBDBEDDEBDBCDEDEAEAEDEBEEADCBDAEBC