PS C:\Users\Tom\Documents\Tom\_Levers\_Public\_Git\_Repository\PVCC\5--Introduction\_To\_Problem\_Solving\_And\_Programming> python Part4.py

Do you wish to enter plaintext to convert to cyphertext or decode existing cyphertext (plaintext / cyphertext)? cyphertext

cypher.txt does not exist: Use this program to convert plaintext into cyphertext.

PS C:\Users\Tom\Documents\Tom\_Levers\_Public\_Git\_Repository\PVCC\5--Introduction\_To\_Problem\_Solving\_And\_Programming> python Part4.py

Do you wish to enter plaintext to convert to cyphertext or decode existing cyphertext (plaintext / cyphertext)? plaintext

Enter any printable character plaintext: Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

You entered plaintext "Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.".

Enter integer distance: 0

You entered distance 0.

Your plaintext is encoded into cyphertext "Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.".

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Do you wish to enter plaintext to convert to cyphertext or decode existing cyphertext (plaintext / cyphertext)? cyphertext

Traceback (most recent call last):

File "C:\Users\Tom\Documents\Tom\_Levers\_Public\_Git\_Repository\PVCC\5--Introduction\_To\_Problem\_Solving\_And\_Programming\Part4.py", line 44, in <module>

raise FileExistsError('cypher.txt does not exist: Use this program to convert plaintext into cyphertext.')

FileExistsError: cypher.txt does not exist: Use this program to convert plaintext into cyphertext.

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Enter integer distance: 0

You entered distance 0.

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Your cyphertext is written to cypher.txt.

PS C:\Users\Tom\Documents\Tom\_Levers\_Public\_Git\_Repository\PVCC\5--Introduction\_To\_Problem\_Solving\_And\_Programming> python Part4.py

Do you wish to enter plaintext to convert to cyphertext or decode existing cyphertext (plaintext / cyphertext)? cypertext

Your entry is not supported.

PS C:\Users\Tom\Documents\Tom\_Levers\_Public\_Git\_Repository\PVCC\5--Introduction\_To\_Problem\_Solving\_And\_Programming> python Part4.py

Do you wish to enter plaintext to convert to cyphertext or decode existing cyphertext (plaintext / cyphertext)? cyphertext

I read cyphertext "Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.".

Enter integer distance: 0

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Enter integer distance: 1

You entered distance 1.

Your cyphertext is decoded into plaintext "Knqdl hortl cnknq rhs zlds, bnmrdbsdstq zchohrbhmf dkhs, rdc cn dhtrlnc sdlonq hmbhchctms ts kzanqd ds cnknqd lzfmz zkhptz. Ts dmhl zc lhmhl udmhzl, pthr mnrsqtc dwdqbhszshnm tkkzlbn kzanqhr mhrh ts zkhptho dw dz bnllncn bnmrdptzs. Cthr ztsd hqtqd cnknq hm qdoqdgdmcdqhs hm unktoszsd udkhs drrd bhkktl cnknqd dt etfhzs mtkkz ozqhzstq. Dwbdosdtq rhms nbbzdbzs btohczszs mnm oqnhcdms, rtms hm btkoz pth neehbhz cdrdqtms lnkkhs zmhl hc drs kzanqtl.".

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Do you wish to enter plaintext to convert to cyphertext or decode existing cyphertext (plaintext / cyphertext)? plaintext

Enter any printable character plaintext: Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

You entered plaintext "Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.".

Enter integer distance: 1

You entered distance 1.

Your plaintext is encoded into cyphertext "Mpsfn jqtvn epmps tju bnfu, dpotfdufuvs bejqjtdjoh fmju, tfe ep fjvtnpe ufnqps jodjejevou vu mbcpsf fu epmpsf nbhob bmjrvb. Vu fojn be njojn wfojbn, rvjt optusve fyfsdjubujpo vmmbndp mbcpsjt ojtj vu bmjrvjq fy fb dpnnpep dpotfrvbu. Evjt bvuf jsvsf epmps jo sfqsfifoefsju jo wpmvqubuf wfmju fttf djmmvn epmpsf fv gvhjbu ovmmb qbsjbuvs. Fydfqufvs tjou pddbfdbu dvqjebubu opo qspjefou, tvou jo dvmqb rvj pggjdjb eftfsvou npmmju bojn je ftu mbcpsvn.".

Your cyphertext is written to cypher.txt.

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Do you wish to enter plaintext to convert to cyphertext or decode existing cyphertext (plaintext / cyphertext)? cyphertext

I read cyphertext "Mpsfn jqtvn epmps tju bnfu, dpotfdufuvs bejqjtdjoh fmju, tfe ep fjvtnpe ufnqps jodjejevou vu mbcpsf fu epmpsf nbhob bmjrvb. Vu fojn be njojn wfojbn, rvjt optusve fyfsdjubujpo vmmbndp mbcpsjt ojtj vu bmjrvjq fy fb dpnnpep dpotfrvbu. Evjt bvuf jsvsf epmps jo sfqsfifoefsju jo wpmvqubuf wfmju fttf djmmvn epmpsf fv gvhjbu ovmmb qbsjbuvs. Fydfqufvs tjou pddbfdbu dvqjebubu opo qspjefou, tvou jo dvmqb rvj pggjdjb eftfsvou npmmju bojn je ftu mbcpsvn.".

Enter integer distance: 0

You entered distance 0.

Your cyphertext is decoded into plaintext "Mpsfn jqtvn epmps tju bnfu, dpotfdufuvs bejqjtdjoh fmju, tfe ep fjvtnpe ufnqps jodjejevou vu mbcpsf fu epmpsf nbhob bmjrvb. Vu fojn be njojn wfojbn, rvjt optusve fyfsdjubujpo vmmbndp mbcpsjt ojtj vu bmjrvjq fy fb dpnnpep dpotfrvbu. Evjt bvuf jsvsf epmps jo sfqsfifoefsju jo wpmvqubuf wfmju fttf djmmvn epmpsf fv gvhjbu ovmmb qbsjbuvs. Fydfqufvs tjou pddbfdbu dvqjebubu opo qspjefou, tvou jo dvmqb rvj pggjdjb eftfsvou npmmju bojn je ftu mbcpsvn.".

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Enter integer distance: -1

You entered distance -1.

Your cyphertext is decoded into plaintext "Nqtgo kruwo fqnqt ukv cogv, eqpugevgvwt cfkrkuekpi gnkv, ugf fq gkwuoqf vgorqt kpekfkfwpv wv ncdqtg gv fqnqtg ocipc cnkswc. Wv gpko cf okpko xgpkco, swku pquvtwf gzgtekvcvkqp wnncoeq ncdqtku pkuk wv cnkswkr gz gc eqooqfq eqpugswcv. Fwku cwvg ktwtg fqnqt kp tgrtgjgpfgtkv kp xqnwrvcvg xgnkv guug eknnwo fqnqtg gw hwikcv pwnnc rctkcvwt. Gzegrvgwt ukpv qeecgecv ewrkfcvcv pqp rtqkfgpv, uwpv kp ewnrc swk qhhkekc fgugtwpv oqnnkv cpko kf guv ncdqtwo.".

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Enter integer distance: 1

You entered distance 1.

Your cyphertext is decoded into plaintext "Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.".

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