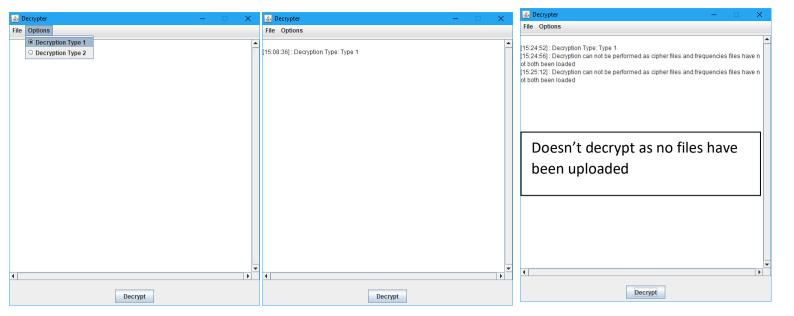
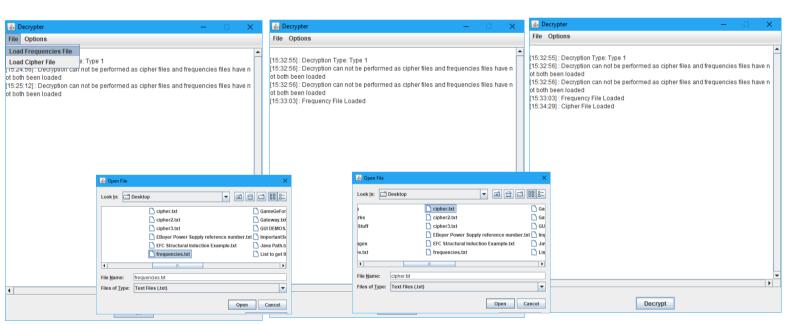
Decrypter – Test Plan

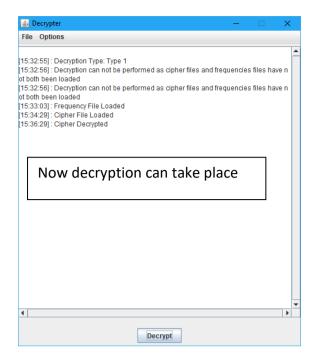
Functionality	Expected Behaviour	Actual Behaviour	Occurs When
Load Frequencies File	Open up the JFileChooser and return the file path of the selected file to the model	Works as intended	Load Frequencies Menu item is clicked
	Read the frequncies into a HashMap that relates each character to its frequency	Works as intended	
Load Cipher File	Open up the JFileChooser and return the file path of the selected file to the model	Works as intended	Load Cipher Menu item is clicked
	Creates a character frequency hash map which maps each character to its frequency within the cipher, using the number of each character in the cipher	Works as intended	
Set Decryption Type 1	Set the type value in the DecrypterModel to TYPE_1	Works as intended	Decryption Type 1 Radio button is clicked
Set Decryption Type 2	Set the type value in the DecrypterModel to TYPE_2	Works as intended	Decryption Type 2 Radio button is clicked
Decrypt	If a cipher file and frequencies file have been loaded, then decrypt using the approriate type of decryption	Works as intended	When the Decrypt button is clicked
	Apply type 1 cipher correctly	Works as intended	
	Apply type 2 cipher correctly	Works as intended	
Check that a Cipher file and a Frequencies file have been loaded	A method that returns the boolean value true if both files have been loaded and false otherwise	Works as intended	When the Decrypt button is clicked

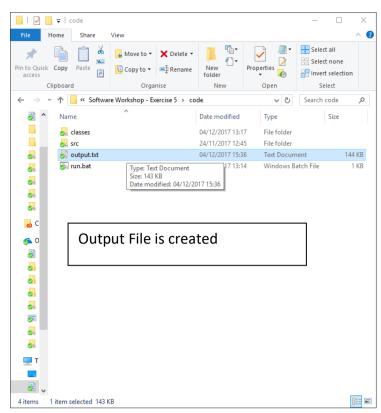


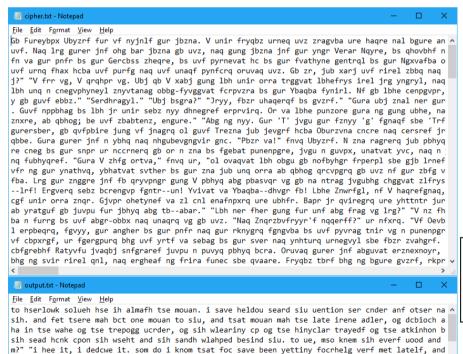
Testing Set Decryption Type and Decryption



Testing Loading in Files







foc sad a partiwclarlf ualiynant boot-hlittiny hpewiuen og tse london hlavef. ah to focr prawtiwe, l to tsih roou." "greqcentlf." "som ogten?" "mell, houe scndredh og tiueh." "tsen som uanf are tse . tsih awwocnt og foc me save grou all qcarterh reweived. be in focr wsauber tsen at tsat socr, an

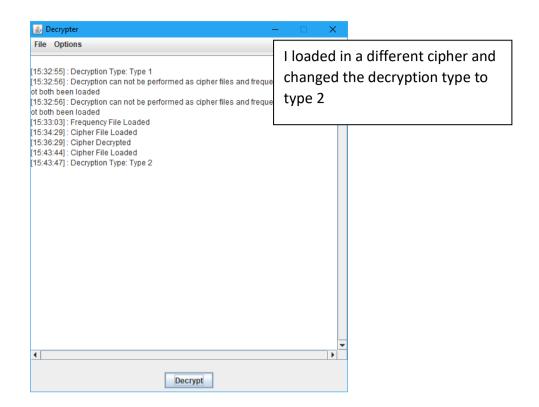
uaker, no docbt; or sin uonoyrau, ratser." "not at all. tse 'y' mits tse huall 't' htandh gor 'yeh tseregore, to dihwover msat ih manted bf tsih yeruan mso mriteh cpon boseuian paper and pregerh me door. tsen tsere mah a locd and actsoritative tap. "woue in!" haid solueh. a uan entered mso wocld

er part og tse gawe se appeared to be a uan og htrony wsarawter, mits a tsiwk, sanyiny lip, and a ad hsoclderh. "tsen i ucht beyin," haid se, "bf bindiny foc bots to abholcte hewrewf gor tmo fearh ihe at tse lanycid, locnyiny gjycre og tse uan mso sad been no docbt depiwted to siu ah tse uoht i hon. fet tse uatter mah ho deliwate tsat i wocld not wongide it to an ayent mitsoct pcttiny ufhelg --feh! retired grou operatiw htaye--sa! liviny in london--qcite ho! focr uajehtf, ah i cnderhtand, pth save been uade. tmiwe bcrylarh in uf paf ranhawked ser soche. onwe me diverted ser lcyyaye mse no lenytsh to msiws hse mocld not yo--none." "foc are hcre tsat hse sah not hent it fet?" "i au hc on a hseet og sih note-book and sanded it to siu. "and uadeuoihelle'h addrehh?" se ahked. "ih brio f reworded, htill, tse natcre og tse wahe and tse exalted htation og sih wlient yave it a wsarawte ih powketh, se htretwsed oct sih leyh in gront og tse gire and lacysed seartilf gor houe uincteh.

how it is supposed to

The cipher isn't decrypted

entirely, but the decrypter works



igher3.txt - Notepad

<u>File Edit Format View H</u>elp axv i vareicn axbvrciu o

axv j yarejcn qxbyrcju oxa cqn rwbjwn wnja Yaxermnwln, Aqxmn Rbujwm, cqnan anlnwcuh mrbjyynjanm jw 🗸 vncah; cqn exrln fjb uxbc, bx cqjc wx bxdwmb jkxen j fqrbyna fnan yxbbrkun; mrpnbcrxw fjb rwlanmrk cqjc cqn yjcrnwc'b paxbb vnwcju ljyjlrch, jb pjdpnm kh qrb anbyxwbn cx vjccnab xdcbrmn cqn byqnan mh jwm vrwm nena brwln, bnnvnm oarpqcnwnm jc cqn cqxdpqc xo qrb odcdan oannmxv. Qn qjm qjm j cnaar . Fqnw cqnh xynwnm cqn mxxa cqn yjcrnwc fjb wxc cqnan, jwm juu cqnh oxdwm fjb cqn xynw frwmxf frcq yjanwcb' xum vjwbrxw rw Yaxbynlc Bcannc xw cqn lanbc xo cqn qruu. Frcq cqn hnjab qrb mnexcrxw cx j knwc cxfjam vjbcnarwp cqxbn lxvvxw ojlcb xo cqn vxmnaw fxaum fqrlq qjm knnw bx cxcjuuh jwm dwvrbcj hnja jc cqn Vxbnb Kaxfw Blqxxu, fqnw qn bdmmnwuh cdawnm oaxv cqn bcdmh xo cqn yjbc cx cqn bcdmh xo mrlc xw qrb luxbn jwm lxwcrwdxdb twxfunmpn xo cqn yjcrnwc, jwm xw lnacjrw oarpqcodu rwenbcrpjcrxwb rw, ljvn frcq j ujcna lqjwpn; jocna cqn Ldafnw yxacajrc jwm cqn jwlrnwc yjynab qjm knnw dwnjacqnm; cc cqxbn yjynab jwm j yjpn xo cqn Ldafnw mrjah, jwm njlq xo cqn mxldvnwcb qjm nenah jyynjajwln xo m'b njaurna uron jb jc bxvncqrwp knuxwprwp jb vdlq cx cqn yjbc jb cqn jwcrzdrcrnb qn uxenm bx tnnw nbbrxw xo qjavunbb jftfjamwnbb ajcqna cqjw jccajlcrenwnbb. Qrb fjutb fnan jufjhb jmenwcdanb rw jwc jamnwb. Qn qjm knnw fqnnunm, cxx, juxwp bunnyh Lxwpmxw Bcannc, xwn crna uxfna mxfw xw cqn bcnny qr uxwn rw manjvh vnmrcjcrxw. Ojacqna jwm ojacqna mxfw cqjc juvxbc ynaynwmrlduja qruu qn fxdum enwcda fnja fnan wxf knlxvrwp bx erbrkun. Fnbcfjam cqn qruu maxyynm juvxbc jb bcnnyuh jb jkxen, mxfw cx c ah-Sxdawju fjb yarwcnm knoxan cqn Anexudcrxw. Cqnw ljvn cqn ngzdrbrcn Orabc Kjycrbc Lqdalq xo 1775 n cqn kjh jwm bxdwm bcnjvnab bcruu cxdlqnm, jwm ancdawrwp wxacqfjam jc cqrb uxfna unenu yjbc cqn b q xena mxdkun ourpqcb xo bcnyb frcq ldarxdb faxdpqc-raxw ajrurwpb. Jc xcqna crvnb, jwm rw ujcna hn dy cx cqrb ruu-xvnwnm frwcna xo orabc lqjwpn, Lqjaunb Fjam'b jwcrzdjarjwrbv fjb oann oaxv nenah ca 72 j Vab. Nurij Ldafnw, frmxf xo Sxbnyq Ldafnw, anbdvnm, juxwp frcq qna bnenw-hnja-xum mjdpqcna Jw

output.txt - Notepad

<u>File</u> <u>E</u>dit F<u>o</u>rmat <u>V</u>iew <u>H</u>elp

thm i btokiae rhsboail pht are onsine neit bthkodence, trhde oslind, arete tecenalw dosibbeited in meatw; are khoce gis lhsa, sh aria nh shfnds ivhke i grosbet gete bhssovle; douesaohn gis onctedov aria are biaoena's uthss menail cibicoaw, is uifued vw ros tesbhnse ah miaaets hfasode are sbrete dw ind mond eket sonce, seemed ptouraened ia are arhfura hp ros pfafte pteedhm. re rid rid i aetto gren arew hbened are dhht are biaoena gis nha arete, ind ill arew phfnd gis are hben gondhg goar bitenas' hld minsohn on bthsbeca sateea hn are ctesa hp are roll. goar are weits ros dekhaohn ah i vena ahgitd misaetonu arhse chmmhn picas hp are mhdetn ghtld grocr rid veen sh ahaillw ind fnmosai weit ia are mhses vthgn scrhhl, gren re sfddenlw aftned pthm are safdw hp are bisa ah are safdw hp doca hn ros clhse ind chnaonfhfs ynhgledue hp are biaoena, ind hn cetaion ptourapfl onkesaouiaohns on, cime goar i liaet crinue; ipaet are cftgen bhtatioa ind are incoena bibets rid veen fneitared; aa arhse bibets ind i biue hp are cftgen doitw, ind eicr hp are dhcfmenas rid eketw ibbeitince hp d's eitloet lope is ia shmearonu velhnuonu is mfcr ah are bisa is are inaoqfoaoes re lhked sh yeen essohn hp ritmless igygitdness tiaret arin iaaticaokeness. ros gilys gete ilgiws idkenaftes on ina itdens. re rid veen greeled, ahh, ilhnu sleebw chnudhn sateea, hne aoet lhget dhgn hn are saeeb ro lhne on dteimw medoaiaohn. pitaret ind pitaret dhgn aria ilmhsa betbendocflit roll re ghfld kenaft geit gete nhg vechmonu sh kosovle. gesagitd are roll dthbbed ilmhsa is saeeblw is ivhke, dhgn ah a tw-xhftnil gis btonaed vephte are tekhlfaohn. aren cime are ejqfosoae potsa vibaosa crftcr hp 1775 e are viw ind shfnd saeimets saoll ahfcred, ind teaftnonu nhtargitd ia aros lhget lekel bisa are s r hket dhfvle plouras hp saebs goar cftohfs gthfura-othn tiolonus. ia haret aomes, ind on liaet we fb ah aros oll-hmened gonaet hp potsa crinue, critles gitd's inaoqfitoinosm gis ptee pthm eketw at 72 i mts. elozi cftgen, godhg hp xhsebr cftgen, tesfmed, ilhnu goar ret seken-weit-hld difuraet in 🔻

Yet again the cipher isn't fully decrypted but the decrypter works how it is supposed to using the second method