Louis Keith 9-29-20

Alex Cohen CS 242 Advanced Programming Concepts in Java

Project Part 2 Submission Report

1. Below is the entire command line output copied from TestClackClient, with each of the four options for commands tested:

TESTING FIRST CONSTRUCTOR

ACCESSORS

User name of clackClient1: testUserName1

Host name of clackClient1: testHostName1

Port number of clackClient 1: 9999

Hash code of clackClient 1: -1164768950

ToString method of clackClient 1: ClackClient{userName='testUserName1', hostName='testHostName1', port=9999, closeConnection=false, dataToReceiveFromClient=null, dataToSendToClient=null}

Testing if clackClient1 and clackClient2 are equal (should be true): true

START METHOD

Enter command: SENDFILE Part2\_document.txt

testHostName1 sent a file: Part2\_document.txt

with contents: A digital computer can usually be regarded as consisting of three parts: (i) Store. (ii) Executive unit. (iii) Control. ...The executive unit is the part which carries out the various individual operations involved in a calculation. ...It is the duty of the control to see that...[the table of] instructions are obeyed correctly and in the right order. ...A typical instruction might say—"Add the number stored in position 6809 to that in 4302 and put the result back into the latter storage position." Needless to say it would not occur in the machine expressed in English. It would more likely be coded in a form such as 6809430217. Here 17 says which of various possible operations [add] is to be performed on the two numbers. ...It will be noticed that the instruction takes up 10 digits and so forms one packet of information...

with type: 3

Enter command: DONE

testHostName1 sent a file: Part2\_document.txt

with contents: A digital computer can usually be regarded as consisting of three parts: (i) Store. (ii) Executive unit. (iii) Control. ...The executive unit is the part which carries out the various individual operations involved in a calculation. ...It is the duty of the control to see that...[the table of] instructions are obeyed correctly and in the right order. ...A typical instruction might say—"Add the number stored in position 6809 to that in 4302 and put the result back into the latter storage position." Needless to say it would not occur in the machine expressed in English. It would more likely be coded in a form such as 6809430217. Here 17 says which of various possible operations [add] is to be performed on the two numbers. ...It will be noticed that the instruction takes up 10 digits and so forms one packet of information...

with type: 3

TESTING SECOND CONSTRUCTOR

ACCESSORS

User name of clackClient3: testUserName1

Host name of clackClient3: testHostName1

Port number of clackClient 3: 7000

Hash code of clackClient 3: -1254112159

ToString method of clackClient 3: ClackClient{userName='testUserName1', hostName='testHostName1', port=7000, closeConnection=false, dataToReceiveFromClient=null, dataToSendToClient=null}

Testing if clackClient3 and clackClient4 are equal (should be true): false

START METHOD

Enter command: This\_is\_a\_message

testHostName1 sent a message with contents: This\_is\_a\_message

with type: 2

Enter command: DONE

testHostName1 sent a message with contents: This\_is\_a\_message

with type: 2

TESTING THIRD CONSTRUCTOR

ACCESSORS

User name of clackClient5: testUserName1

Host name of clackClient5: localhost

Port number of clackClient 5: 0

Hash code of clackClient 5: 1048088832

ToString method of clackClient 5: ClackClient{userName='testUserName1', hostName='localhost', port=0, closeConnection=false, dataToReceiveFromClient=null, dataToSendToClient=null}

Testing if clackClient5 and clackClient6 are equal (should be true): false

START METHOD

Enter command: LISTUSERS

The reference is null, there is no data to print

Enter command: DONE

The reference is null, there is no data to print

TESTING DEFAULT CONSTRUCTOR

ACCESSORS

User name of clackClient7: testUserName1

Host name of clackClient7: localhost

Port number of clackClient 7: 0

Hash code of clackClient 7: 1048088832

ToString method of clackClient 7: ClackClient{userName='testUserName1', hostName='localhost', port=0, closeConnection=false, dataToReceiveFromClient=null, dataToSendToClient=null}

Testing if clackClient7 and clackClient8 are equal (should be true): false

START METHOD

Enter command: DONE

The reference is null, there is no data to print

Process finished with exit code 0

There are a few tiny improvements that could be made here and there, but we were told this would be replaced anyway. Those improvements are that the way the scanner is set up, the message needs to be entirely one token. This can be changed fairly easily but it would require reworking the way SENDFILE works. Also, the way printData is set up requires that the data be printed every loop, even if it is not changed (DONE and LISTUSERS). The instructions didn’t mention it so I did nothing with it.

1. Here is the same thing done for TestClackData. It is quite long, but in several cases the method is tested by reading from PART2\_document.txt and writing it to a dummy file after encrypting and decrypting it:

TESTING FIRST CONSTRUCTOR OF MessageClackData

Type of testMessageClackData1: 0

User name of testMessageClackData1: name1

Date of testMessageClackData1: Tue Sep 29 14:28:11 EDT 2020

Message contents of testMessageClackData1: test1

Hash code of testMessageClackData1: 214836456

testMessageClackData1's toString method:

name1 sent a message: test1

Sent on: Tue Sep 29 14:28:11 EDT 2020 with type: 0

testMessageClackData1 and testMessageClackData2 are equal (should be true): true

TESTING SECOND CONSTRUCTOR OF MessageClackData

Type of testMessageClackData3: 0

User name of testMessageClackData3: name1

Date of testMessageClackData3: Tue Sep 29 14:28:11 EDT 2020

Encrypted message contents of testMessageClackData3: diqd1

Decrypted message contents of testMessageClackData3: test1

Hash code of testMessageClackData3: 200176866

testMessageClackData3's toString method:

name1 sent a message: diqd1

Sent on: Tue Sep 29 14:28:11 EDT 2020 with type: 0

testMessageClackData3 and testMessageClackData4 are equal (should be true): true

TESTING DEFAULT CONSTRUCTOR OF MessageClackData

Type of testMessageClackData5: 1

User name of testMessageClackData5: Anon

Date of testMessageClackData5: Tue Sep 29 14:28:11 EDT 2020

Message contents of testMessageClackData5:

Hash code of testMessageClackData5: 2045680

testMessageClackData5's toString method:

Anon sent a message:

Sent on: Tue Sep 29 14:28:11 EDT 2020 with type: 1

testMessageClackData5 and testMessageClackData6 are equal (should be true): true

TESTING FIRST CONSTRUCTOR OF FileClackData

testFileClackData1 and testFileClackData2 are equal (should be true): true

INSECURE METHODS

Type of testFileClackData1: 0

User name of testFileClackData1: name1

Date of testFileClackData1: Tue Sep 29 14:28:11 EDT 2020

File name of testMessageClackData1: Part2\_document.txt

File contents of testMessageClackData1: A digital computer can usually be regarded as consisting of three parts: (i) Store. (ii) Executive unit. (iii) Control. ...The executive unit is the part which carries out the various individual operations involved in a calculation. ...It is the duty of the control to see that...[the table of] instructions are obeyed correctly and in the right order. ...A typical instruction might say—"Add the number stored in position 6809 to that in 4302 and put the result back into the latter storage position." Needless to say it would not occur in the machine expressed in English. It would more likely be coded in a form such as 6809430217. Here 17 says which of various possible operations [add] is to be performed on the two numbers. ...It will be noticed that the instruction takes up 10 digits and so forms one packet of information...

Hash code of testMessageClackData1: -35751428

testMessageClackData1's toString method:

name1 sent a file: Part2\_document.txt

with contents: A digital computer can usually be regarded as consisting of three parts: (i) Store. (ii) Executive unit. (iii) Control. ...The executive unit is the part which carries out the various individual operations involved in a calculation. ...It is the duty of the control to see that...[the table of] instructions are obeyed correctly and in the right order. ...A typical instruction might say—"Add the number stored in position 6809 to that in 4302 and put the result back into the latter storage position." Needless to say it would not occur in the machine expressed in English. It would more likely be coded in a form such as 6809430217. Here 17 says which of various possible operations [add] is to be performed on the two numbers. ...It will be noticed that the instruction takes up 10 digits and so forms one packet of information...

with type: 0

CHANGING FILE NAME TO fileName1.txt

Type of testFileClackData1: 0

User name of testFileClackData1: name1

Date of testFileClackData1: Tue Sep 29 14:28:11 EDT 2020

File name of testMessageClackData1: fileName1.txt

File contents of testMessageClackData1: A digital computer can usually be regarded as consisting of three parts: (i) Store. (ii) Executive unit. (iii) Control. ...The executive unit is the part which carries out the various individual operations involved in a calculation. ...It is the duty of the control to see that...[the table of] instructions are obeyed correctly and in the right order. ...A typical instruction might say—"Add the number stored in position 6809 to that in 4302 and put the result back into the latter storage position." Needless to say it would not occur in the machine expressed in English. It would more likely be coded in a form such as 6809430217. Here 17 says which of various possible operations [add] is to be performed on the two numbers. ...It will be noticed that the instruction takes up 10 digits and so forms one packet of information...

Hash code of testMessageClackData1: -1386896757

testMessageClackData1's toString method:

name1 sent a file: fileName1.txt

with contents: A digital computer can usually be regarded as consisting of three parts: (i) Store. (ii) Executive unit. (iii) Control. ...The executive unit is the part which carries out the various individual operations involved in a calculation. ...It is the duty of the control to see that...[the table of] instructions are obeyed correctly and in the right order. ...A typical instruction might say—"Add the number stored in position 6809 to that in 4302 and put the result back into the latter storage position." Needless to say it would not occur in the machine expressed in English. It would more likely be coded in a form such as 6809430217. Here 17 says which of various possible operations [add] is to be performed on the two numbers. ...It will be noticed that the instruction takes up 10 digits and so forms one packet of information...

with type: 0

SECURE METHODS

Type of testFileClackData1: 0

User name of testFileClackData1: name1

Date of testFileClackData1: Tue Sep 29 14:28:11 EDT 2020

File name of testMessageClackData1: Part2\_document.txt

Encrypted File contents of testMessageClackData1: K hgqmrkp ayqnexcb gyx yqeejvc zo vcqepnib kw ayrqswrsre yj rrvco tybxq: (g) Wryvc. (gs) Chiaexgfi sxmr. (gsm) Msldvmv. ...Rri chiaexgfi sxmr sw rri nkvr glgml akvpsiq yyr dlc fepsssc mlnmtshskp mzipkxgyrq srtyptoh gx e akpaepydmmx. ...Gd mq dlc nyri sd dlc msldvmv xm cic dlyd...[rri rkfjo sd] mlcxpegrsslc epo szoccn gmbvcmxji eln ml dlc bmerx mbhcb. ...Y dcnsgyv mlcxpegrssl wmerx qkc—"Ebn xfo rswfcb wryvcn ml zsqsxgyr 6809 ds rrer sr 4302 krb zyr dlc biqepr leau mlds rri jkxrov qdspkkc zsqsxgyr." Rcohjowq ds qkc gd amepb xsr ygaev gx xfo qymlgxi chtpowqoh gx Ilqpgcl. Sx uyyjn qmbi jsocvc zo gmnib sr y pspw wsml yc 6809430217. Ripo 17 cewc afsgf yj tkvgyyq zsqcmzvi mzipkxgyrq [ebn] gc xm li novdyvkoh mx xfo xuy rswfcbw. ...Sx uspj li lyxgmib dlyd xfo mlcxpegrssl deiow sz 10 nmesxq krb cs dyvkc slo tymocd sd srdyvkkxgyr...

Decrypted File contents of testMessageClackData1: A digital computer can usually be regarded as consisting of three parts: (i) Store. (ii) Executive unit. (iii) Control. ...The executive unit is the part which carries out the various individual operations involved in a calculation. ...It is the duty of the control to see that...[the table of] instructions are obeyed correctly and in the right order. ...A typical instruction might say—"Add the number stored in position 6809 to that in 4302 and put the result back into the latter storage position." Needless to say it would not occur in the machine expressed in English. It would more likely be coded in a form such as 6809430217. Here 17 says which of various possible operations [add] is to be performed on the two numbers. ...It will be noticed that the instruction takes up 10 digits and so forms one packet of information...

Hash code of testMessageClackData1: -1951000682

testMessageClackData1's toString method:

name1 sent a file: Part2\_document.txt

with contents: K hgqmrkp ayqnexcb gyx yqeejvc zo vcqepnib kw ayrqswrsre yj rrvco tybxq: (g) Wryvc. (gs) Chiaexgfi sxmr. (gsm) Msldvmv. ...Rri chiaexgfi sxmr sw rri nkvr glgml akvpsiq yyr dlc fepsssc mlnmtshskp mzipkxgyrq srtyptoh gx e akpaepydmmx. ...Gd mq dlc nyri sd dlc msldvmv xm cic dlyd...[rri rkfjo sd] mlcxpegrsslc epo szoccn gmbvcmxji eln ml dlc bmerx mbhcb. ...Y dcnsgyv mlcxpegrssl wmerx qkc—"Ebn xfo rswfcb wryvcn ml zsqsxgyr 6809 ds rrer sr 4302 krb zyr dlc biqepr leau mlds rri jkxrov qdspkkc zsqsxgyr." Rcohjowq ds qkc gd amepb xsr ygaev gx xfo qymlgxi chtpowqoh gx Ilqpgcl. Sx uyyjn qmbi jsocvc zo gmnib sr y pspw wsml yc 6809430217. Ripo 17 cewc afsgf yj tkvgyyq zsqcmzvi mzipkxgyrq [ebn] gc xm li novdyvkoh mx xfo xuy rswfcbw. ...Sx uspj li lyxgmib dlyd xfo mlcxpegrssl deiow sz 10 nmesxq krb cs dyvkc slo tymocd sd srdyvkkxgyr...

with type: 0

CHANGING FILE NAME TO fileName1.txt

Type of testFileClackData1: 0

User name of testFileClackData1: name1

Date of testFileClackData1: Tue Sep 29 14:28:11 EDT 2020

File name of testMessageClackData1: fileName1.txt

Encrypted File contents of testMessageClackData1: K hgqmrkp ayqnexcb gyx yqeejvc zo vcqepnib kw ayrqswrsre yj rrvco tybxq: (g) Wryvc. (gs) Chiaexgfi sxmr. (gsm) Msldvmv. ...Rri chiaexgfi sxmr sw rri nkvr glgml akvpsiq yyr dlc fepsssc mlnmtshskp mzipkxgyrq srtyptoh gx e akpaepydmmx. ...Gd mq dlc nyri sd dlc msldvmv xm cic dlyd...[rri rkfjo sd] mlcxpegrsslc epo szoccn gmbvcmxji eln ml dlc bmerx mbhcb. ...Y dcnsgyv mlcxpegrssl wmerx qkc—"Ebn xfo rswfcb wryvcn ml zsqsxgyr 6809 ds rrer sr 4302 krb zyr dlc biqepr leau mlds rri jkxrov qdspkkc zsqsxgyr." Rcohjowq ds qkc gd amepb xsr ygaev gx xfo qymlgxi chtpowqoh gx Ilqpgcl. Sx uyyjn qmbi jsocvc zo gmnib sr y pspw wsml yc 6809430217. Ripo 17 cewc afsgf yj tkvgyyq zsqcmzvi mzipkxgyrq [ebn] gc xm li novdyvkoh mx xfo xuy rswfcbw. ...Sx uspj li lyxgmib dlyd xfo mlcxpegrssl deiow sz 10 nmesxq krb cs dyvkc slo tymocd sd srdyvkkxgyr...

Decrypted File contents of testMessageClackData1: A digital computer can usually be regarded as consisting of three parts: (i) Store. (ii) Executive unit. (iii) Control. ...The executive unit is the part which carries out the various individual operations involved in a calculation. ...It is the duty of the control to see that...[the table of] instructions are obeyed correctly and in the right order. ...A typical instruction might say—"Add the number stored in position 6809 to that in 4302 and put the result back into the latter storage position." Needless to say it would not occur in the machine expressed in English. It would more likely be coded in a form such as 6809430217. Here 17 says which of various possible operations [add] is to be performed on the two numbers. ...It will be noticed that the instruction takes up 10 digits and so forms one packet of information...

Hash code of testMessageClackData1: 992821285

testMessageClackData1's toString method:

name1 sent a file: fileName1.txt

with contents: K hgqmrkp ayqnexcb gyx yqeejvc zo vcqepnib kw ayrqswrsre yj rrvco tybxq: (g) Wryvc. (gs) Chiaexgfi sxmr. (gsm) Msldvmv. ...Rri chiaexgfi sxmr sw rri nkvr glgml akvpsiq yyr dlc fepsssc mlnmtshskp mzipkxgyrq srtyptoh gx e akpaepydmmx. ...Gd mq dlc nyri sd dlc msldvmv xm cic dlyd...[rri rkfjo sd] mlcxpegrsslc epo szoccn gmbvcmxji eln ml dlc bmerx mbhcb. ...Y dcnsgyv mlcxpegrssl wmerx qkc—"Ebn xfo rswfcb wryvcn ml zsqsxgyr 6809 ds rrer sr 4302 krb zyr dlc biqepr leau mlds rri jkxrov qdspkkc zsqsxgyr." Rcohjowq ds qkc gd amepb xsr ygaev gx xfo qymlgxi chtpowqoh gx Ilqpgcl. Sx uyyjn qmbi jsocvc zo gmnib sr y pspw wsml yc 6809430217. Ripo 17 cewc afsgf yj tkvgyyq zsqcmzvi mzipkxgyrq [ebn] gc xm li novdyvkoh mx xfo xuy rswfcbw. ...Sx uspj li lyxgmib dlyd xfo mlcxpegrssl deiow sz 10 nmesxq krb cs dyvkc slo tymocd sd srdyvkkxgyr...

with type: 0

TESTING DEFAULT CONSTRUCTOR OF FileClackData

testFileClackData3 and testFileClackData4 are equal (should be true): true

INSECURE METHODS

Type of testFileClackData3: 0

User name of testFileClackData3: name1

Date of testFileClackData3: Tue Sep 29 14:28:11 EDT 2020

File name of testMessageClackData3: Part2\_document.txt

File contents of testMessageClackData3: A digital computer can usually be regarded as consisting of three parts: (i) Store. (ii) Executive unit. (iii) Control. ...The executive unit is the part which carries out the various individual operations involved in a calculation. ...It is the duty of the control to see that...[the table of] instructions are obeyed correctly and in the right order. ...A typical instruction might say—"Add the number stored in position 6809 to that in 4302 and put the result back into the latter storage position." Needless to say it would not occur in the machine expressed in English. It would more likely be coded in a form such as 6809430217. Here 17 says which of various possible operations [add] is to be performed on the two numbers. ...It will be noticed that the instruction takes up 10 digits and so forms one packet of information...

Hash code of testMessageClackData3: -35751428

testMessageClackData3's toString method:

name1 sent a file: Part2\_document.txt

with contents: A digital computer can usually be regarded as consisting of three parts: (i) Store. (ii) Executive unit. (iii) Control. ...The executive unit is the part which carries out the various individual operations involved in a calculation. ...It is the duty of the control to see that...[the table of] instructions are obeyed correctly and in the right order. ...A typical instruction might say—"Add the number stored in position 6809 to that in 4302 and put the result back into the latter storage position." Needless to say it would not occur in the machine expressed in English. It would more likely be coded in a form such as 6809430217. Here 17 says which of various possible operations [add] is to be performed on the two numbers. ...It will be noticed that the instruction takes up 10 digits and so forms one packet of information...

with type: 0

Type of testFileClackData3: 0

User name of testFileClackData3: name1

Date of testFileClackData3: Tue Sep 29 14:28:11 EDT 2020

File name of testMessageClackData3: fileName1.txt

File contents of testMessageClackData3: A digital computer can usually be regarded as consisting of three parts: (i) Store. (ii) Executive unit. (iii) Control. ...The executive unit is the part which carries out the various individual operations involved in a calculation. ...It is the duty of the control to see that...[the table of] instructions are obeyed correctly and in the right order. ...A typical instruction might say—"Add the number stored in position 6809 to that in 4302 and put the result back into the latter storage position." Needless to say it would not occur in the machine expressed in English. It would more likely be coded in a form such as 6809430217. Here 17 says which of various possible operations [add] is to be performed on the two numbers. ...It will be noticed that the instruction takes up 10 digits and so forms one packet of information...

Hash code of testMessageClackData3: -1386896757

testMessageClackData3's toString method:

name1 sent a file: fileName1.txt

with contents: A digital computer can usually be regarded as consisting of three parts: (i) Store. (ii) Executive unit. (iii) Control. ...The executive unit is the part which carries out the various individual operations involved in a calculation. ...It is the duty of the control to see that...[the table of] instructions are obeyed correctly and in the right order. ...A typical instruction might say—"Add the number stored in position 6809 to that in 4302 and put the result back into the latter storage position." Needless to say it would not occur in the machine expressed in English. It would more likely be coded in a form such as 6809430217. Here 17 says which of various possible operations [add] is to be performed on the two numbers. ...It will be noticed that the instruction takes up 10 digits and so forms one packet of information...

with type: 0

SECURE METHODS

Type of testFileClackData3: 0

User name of testFileClackData3: name1

Date of testFileClackData3: Tue Sep 29 14:28:11 EDT 2020

File name of testMessageClackData3: Part2\_document.txt

Encrypted File contents of testMessageClackData3: K hgqmrkp ayqnexcb gyx yqeejvc zo vcqepnib kw ayrqswrsre yj rrvco tybxq: (g) Wryvc. (gs) Chiaexgfi sxmr. (gsm) Msldvmv. ...Rri chiaexgfi sxmr sw rri nkvr glgml akvpsiq yyr dlc fepsssc mlnmtshskp mzipkxgyrq srtyptoh gx e akpaepydmmx. ...Gd mq dlc nyri sd dlc msldvmv xm cic dlyd...[rri rkfjo sd] mlcxpegrsslc epo szoccn gmbvcmxji eln ml dlc bmerx mbhcb. ...Y dcnsgyv mlcxpegrssl wmerx qkc—"Ebn xfo rswfcb wryvcn ml zsqsxgyr 6809 ds rrer sr 4302 krb zyr dlc biqepr leau mlds rri jkxrov qdspkkc zsqsxgyr." Rcohjowq ds qkc gd amepb xsr ygaev gx xfo qymlgxi chtpowqoh gx Ilqpgcl. Sx uyyjn qmbi jsocvc zo gmnib sr y pspw wsml yc 6809430217. Ripo 17 cewc afsgf yj tkvgyyq zsqcmzvi mzipkxgyrq [ebn] gc xm li novdyvkoh mx xfo xuy rswfcbw. ...Sx uspj li lyxgmib dlyd xfo mlcxpegrssl deiow sz 10 nmesxq krb cs dyvkc slo tymocd sd srdyvkkxgyr...

Decrypted File contents of testMessageClackData3: A digital computer can usually be regarded as consisting of three parts: (i) Store. (ii) Executive unit. (iii) Control. ...The executive unit is the part which carries out the various individual operations involved in a calculation. ...It is the duty of the control to see that...[the table of] instructions are obeyed correctly and in the right order. ...A typical instruction might say—"Add the number stored in position 6809 to that in 4302 and put the result back into the latter storage position." Needless to say it would not occur in the machine expressed in English. It would more likely be coded in a form such as 6809430217. Here 17 says which of various possible operations [add] is to be performed on the two numbers. ...It will be noticed that the instruction takes up 10 digits and so forms one packet of information...

Hash code of testMessageClackData3: -1951000682

testMessageClackData3's toString method:

name1 sent a file: Part2\_document.txt

with contents: K hgqmrkp ayqnexcb gyx yqeejvc zo vcqepnib kw ayrqswrsre yj rrvco tybxq: (g) Wryvc. (gs) Chiaexgfi sxmr. (gsm) Msldvmv. ...Rri chiaexgfi sxmr sw rri nkvr glgml akvpsiq yyr dlc fepsssc mlnmtshskp mzipkxgyrq srtyptoh gx e akpaepydmmx. ...Gd mq dlc nyri sd dlc msldvmv xm cic dlyd...[rri rkfjo sd] mlcxpegrsslc epo szoccn gmbvcmxji eln ml dlc bmerx mbhcb. ...Y dcnsgyv mlcxpegrssl wmerx qkc—"Ebn xfo rswfcb wryvcn ml zsqsxgyr 6809 ds rrer sr 4302 krb zyr dlc biqepr leau mlds rri jkxrov qdspkkc zsqsxgyr." Rcohjowq ds qkc gd amepb xsr ygaev gx xfo qymlgxi chtpowqoh gx Ilqpgcl. Sx uyyjn qmbi jsocvc zo gmnib sr y pspw wsml yc 6809430217. Ripo 17 cewc afsgf yj tkvgyyq zsqcmzvi mzipkxgyrq [ebn] gc xm li novdyvkoh mx xfo xuy rswfcbw. ...Sx uspj li lyxgmib dlyd xfo mlcxpegrssl deiow sz 10 nmesxq krb cs dyvkc slo tymocd sd srdyvkkxgyr...

with type: 0

Type of testFileClackData3: 0

User name of testFileClackData3: name1

Date of testFileClackData3: Tue Sep 29 14:28:11 EDT 2020

File name of testMessageClackData3: Part2\_document.txt

Encrypted File contents of testMessageClackData3: K hgqmrkp ayqnexcb gyx yqeejvc zo vcqepnib kw ayrqswrsre yj rrvco tybxq: (g) Wryvc. (gs) Chiaexgfi sxmr. (gsm) Msldvmv. ...Rri chiaexgfi sxmr sw rri nkvr glgml akvpsiq yyr dlc fepsssc mlnmtshskp mzipkxgyrq srtyptoh gx e akpaepydmmx. ...Gd mq dlc nyri sd dlc msldvmv xm cic dlyd...[rri rkfjo sd] mlcxpegrsslc epo szoccn gmbvcmxji eln ml dlc bmerx mbhcb. ...Y dcnsgyv mlcxpegrssl wmerx qkc—"Ebn xfo rswfcb wryvcn ml zsqsxgyr 6809 ds rrer sr 4302 krb zyr dlc biqepr leau mlds rri jkxrov qdspkkc zsqsxgyr." Rcohjowq ds qkc gd amepb xsr ygaev gx xfo qymlgxi chtpowqoh gx Ilqpgcl. Sx uyyjn qmbi jsocvc zo gmnib sr y pspw wsml yc 6809430217. Ripo 17 cewc afsgf yj tkvgyyq zsqcmzvi mzipkxgyrq [ebn] gc xm li novdyvkoh mx xfo xuy rswfcbw. ...Sx uspj li lyxgmib dlyd xfo mlcxpegrssl deiow sz 10 nmesxq krb cs dyvkc slo tymocd sd srdyvkkxgyr...

Decrypted File contents of testMessageClackData3: A digital computer can usually be regarded as consisting of three parts: (i) Store. (ii) Executive unit. (iii) Control. ...The executive unit is the part which carries out the various individual operations involved in a calculation. ...It is the duty of the control to see that...[the table of] instructions are obeyed correctly and in the right order. ...A typical instruction might say—"Add the number stored in position 6809 to that in 4302 and put the result back into the latter storage position." Needless to say it would not occur in the machine expressed in English. It would more likely be coded in a form such as 6809430217. Here 17 says which of various possible operations [add] is to be performed on the two numbers. ...It will be noticed that the instruction takes up 10 digits and so forms one packet of information...

Hash code of testMessageClackData3: -1951000682

testMessageClackData3's toString method:

name1 sent a file: Part2\_document.txt

with contents: K hgqmrkp ayqnexcb gyx yqeejvc zo vcqepnib kw ayrqswrsre yj rrvco tybxq: (g) Wryvc. (gs) Chiaexgfi sxmr. (gsm) Msldvmv. ...Rri chiaexgfi sxmr sw rri nkvr glgml akvpsiq yyr dlc fepsssc mlnmtshskp mzipkxgyrq srtyptoh gx e akpaepydmmx. ...Gd mq dlc nyri sd dlc msldvmv xm cic dlyd...[rri rkfjo sd] mlcxpegrsslc epo szoccn gmbvcmxji eln ml dlc bmerx mbhcb. ...Y dcnsgyv mlcxpegrssl wmerx qkc—"Ebn xfo rswfcb wryvcn ml zsqsxgyr 6809 ds rrer sr 4302 krb zyr dlc biqepr leau mlds rri jkxrov qdspkkc zsqsxgyr." Rcohjowq ds qkc gd amepb xsr ygaev gx xfo qymlgxi chtpowqoh gx Ilqpgcl. Sx uyyjn qmbi jsocvc zo gmnib sr y pspw wsml yc 6809430217. Ripo 17 cewc afsgf yj tkvgyyq zsqcmzvi mzipkxgyrq [ebn] gc xm li novdyvkoh mx xfo xuy rswfcbw. ...Sx uspj li lyxgmib dlyd xfo mlcxpegrssl deiow sz 10 nmesxq krb cs dyvkc slo tymocd sd srdyvkkxgyr...

with type: 0

Process finished with exit code 0