

Homeexam 2

Kari Helene Bekkelund

Ubuntu test of shared and static library in ubuntu.

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bappel@bappel-VirtualBox: ~/Skribebord/CryptoInC-master
for (int i = 0; i <= size; i++)
^
openfile.c:32:5: note: use option -std=c99 or -std=gnu99 to compile your code
bappel@bappel-VirtualBox:~/Skribebord/CryptoInC-master$ gcc -c -fPIC -g openfile.c -o opefile.o -std=c99
bappel@bappel-VirtualBox:~/Skribebord/CryptoInC-master$ gcc -c -fPIC -g makekey.c -o makekey.o -std=c99
bappel@bappel-VirtualBox:~/Skribebord/CryptoInC-master$ gcc -c -fPIC -g encode.c -o encode.o -std=c99
bappel@bappel-VirtualBox:~/Skribebord/CryptoInC-master$ gcc -c -fPIC -g decode.c -o decode.o -std=c99
bappel@bappel-VirtualBox:~/Skribebord/CryptoInC-master$ gcc -shared -Wl,-soname,lsc.so.1 -o lsc.so.1.0.1
secretCoder.o
bappel@bappel-VirtualBox:~/Skribebord/CryptoInC-master$ gcc -shared -Wl,-soname,lsc.so.1 -o lsc.so.1.0.1
secretCoder.o
bappel@bappel-VirtualBox:~/Skribebord/CryptoInC-master$ ln -s lsc.so.1.0.1 lsc.so.1
bappel@bappel-VirtualBox:~/Skribebord/CryptoInC-master$ ls -s lsc.so.1 lsc.so
ls: klarte ikke å åpne lsc.so.1: Ingen slik fil eller filkatalog
ls: klarte ikke å åpne lsc.so: Ingen slik fil eller filkatalog
bappel@bappel-VirtualBox:~/Skribebord/CryptoInC-master$ gcc -shared -Wl,-soname,lsc.so.1 -o lsc.so.1.0.1
openfile.o makekey.o encrypt.o decode.o
gcc: error: encrypt.o: Ingen slik fil eller filkatalog
bappel@bappel-VirtualBox:~/Skribebord/CryptoInC-master$ gcc -shared -Wl,-soname,lsc.so.1 -o lsc.so.1.0.1
openfile.o makekey.o encode.o decode.o
bappel@bappel-VirtualBox:~/Skribebord/CryptoInC-master$ ln -s lsc.so.1.0.1 lsc.so.1
ln: klarte ikke å lage den symbolske lenke «lsc.so.1»: filen eksisterer
bappel@bappel-VirtualBox:~/Skribebord/CryptoInC-master$ ln -s lsc.so.1 lsc.so
bappel@bappel-VirtualBox:~/Skribebord/CryptoInC-master$ gcc -L. main.c -o main -lsc
bappel@bappel-VirtualBox:~/Skribebord/CryptoInC-master$ LD_LIBRARY_PATH=./:LD_LIBRARY_PATH ./main

found file

found file

Encrypted message:
[-7][2][13][29][3] [11][1] [8] [40][6][33][40][3][29][7] [14][6][34][8][66] [8][14] [-7][3][12][3][33][6]
[29] [-8][29][3][33][8]. [-14][2][13] [10][6][1][7] [16][57][3][9][6][10][3] [87][8][33][44] [-3][8][5]
[12][3][9] [16][29][3] [146][12][8][66][11][33][5] [8][14] [11][7]. [-12][3][7] [95][1] [10][3][13][7] [
95][146] [34][6][57][33][7][26][57][33] [8][33][44] [2][13][8][34] [7][2][13][29][3].

found file

Decoded message:
There is a concert today at Telenor Arena. The most awesome band Eagles are playing at it. Let us meet u
p downtown and head there.
bappel@bappel-VirtualBox:~/Skribebord/CryptoInC-master$
```

```
bappel@bappel-VirtualBox: ~/Skribebord/CryptoInC-master
-rw-rw-r-- 1 bappel bappel 1153 nov. 2 00:46 encode.c
-rw-rw-r-- 1 bappel bappel 7192 nov. 2 13:12 encode.o
-rw-rw-r-- 1 bappel bappel 223 nov. 2 00:46 .gitignore
drwxrwxr-x 2 bappel bappel 4096 nov. 2 00:46 headers
-rw-rw-r-- 1 bappel bappel 131 nov. 2 00:46 InputMessage.txt
-rwxr-xr-x 1 bappel bappel 14748 nov. 2 00:46 main
-rw-rw-r-- 1 bappel bappel 429 nov. 2 00:46 main.c
-rw-rw-r-- 1 bappel bappel 158871 nov. 2 00:46 main.pdf
-rw-rw-r-- 1 bappel bappel 612 nov. 2 00:46 makekey.c
-rw-rw-r-- 1 bappel bappel 4264 nov. 2 11:14 makekey.o
-rw-rw-r-- 1 bappel bappel 846 nov. 2 00:46 openfile.c
-rw-rw-r-- 1 bappel bappel 8448 nov. 2 11:13 openfile.o
-rw-rw-r-- 1 bappel bappel 1300 nov. 2 00:46 secretCoder.h
drwxrwxr-x 2 bappel bappel 4096 nov. 2 00:46 songLibrary
-rw-rw-r-- 1 bappel bappel 610 nov. 2 00:46 testfile.c
-rw-rw-r-- 1 bappel bappel 79 nov. 2 00:46 testKey.txt
bappel@bappel-VirtualBox:~/Skribebord/CryptoInC-master$ gcc -c -g main.c -o main.o
gcc: error: main.c: Ingen slik fil eller filkatalog
gcc: fatal error: no input files
compilation terminated.
bappel@bappel-VirtualBox:~/Skribebord/CryptoInC-master$ gcc -c -g main.c -o main.o
bappel@bappel-VirtualBox:~/Skribebord/CryptoInC-master$ ar rcs libsc.a main.o openfile.o makekey.o encod
e.o decode.o
bappel@bappel-VirtualBox:~/Skribebord/CryptoInC-master$ gcc -L. main.c -o main libsc.a
bappel@bappel-VirtualBox:~/Skribebord/CryptoInC-master$ ./main

found file

found file

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[29] [-8][29][3][33][8]. [-14][2][13] [10][6][1][7] [16][57][3][9][6][10][3] [87][8][33][44] [-3][8][5]
[12][3][9] [16][29][3] [146][12][8][66][11][33][5] [8][14] [11][7]. [-12][3][7] [95][1] [10][3][13][7] [
95][146] [34][6][57][33][7][26][57][33] [8][33][44] [2][13][8][34] [7][2][13][29][3].

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