zad1



zad 2

Plik do zaszyfrowania

kamilslimak@kamilslimaks-macbook~/lab12> cat text.txt

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Wykonanie skryptu

CAIL

kamilslimak@kamilslimaks-macbook~/lab12> ./aes.sh text.txt "haslo"

Zaszyfrowany plik:

```
[kamilslimak@kamilslimaks-macbook~/lab12> cat output.txt
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```

skrypt aes.sh:

zad 3

tworzenie kluczy prywatnego i publicznego

```
|kamilslimak@kamilslimaks-macbook-/lab12> openssl genrsa -aes128 -passout pass:kamil123 -out private.pem 2048
|kamilslimak@kamilslimaks-macbook-/lab12> openssl rsa -in <u>private.pem</u> -passin pass:kamil123 -pubout -out public.pem
```

sign.sh:

```
filename=$1
privatekey=$2

if [[ $# -lt 2 ]]; then
    echo "Usage: sign <file> <private_key>"
    exit 1

fi

openssl dgst -sha256 -sign $privatekey -out /tmp/$filename.sha256 $filename
openssl base64 -in /tmp/$filename.sha256 -out signature.sha256

rm /tmp/$filename.sha256
```

użycie:

```
|<mark>kamilslimak@</mark>kamilslimaks-macbook-/lab12> ./sign.sh <u>example file.txt</u> <u>private.pem</u>
|Enter pass phrase for private.pem:
| <mark>kamilslimak@</mark>kamilslimaks-macbook-/lab12>
```