Environment: Arch Linux, neovim, g++

Task 1


```
~/School/CS5732/proj1
> ./vigenereEncrypt
Please insert your message: attack at dawn!

Please insert your key: dog

Encrypted message: dhzdqqdhjdkt

Decrypted message: attackatdawn
```



```
~/School/CS5732/proj1
> ./vigenereEncrypt
Please insert your message: we are the champions

Please insert your key: dontstopmenow

Encrypted message: zsnkwmvtolnallcal

Decrypted message: wearethechampions
```

Task 2

```
~/School/CS5732/proj1
> ./bruteForce
Please enter your encrypted text:
zsnkwmvtolnallcal

Please enter text confirmed to be in message:
champ

Please enter maximum key length to check:
10
All keys of length 1 have been exhausted.
Continue? (y/n)
y
All keys of length 2 have been exhausted.
Continue? (y/n)
y
All keys of length 3 have been exhausted.
Continue? (y/n)
y
All keys of length 4 have been exhausted.
Continue? (y/n)
y
Possible Key Found: agldw
Continue? (y/n)
y
Possible Key Found: blrhl
Continue? (y/n)
y
Possible Key Found: fvhzu
Continue? (y/n)
y
Possible Key Found: gazwj
Continue? (y/n)
y
Possible Key Found: kotcw
Continue? (y/n)
y
Possible Key Found: ltlzn
Continue? (y/n)
y
Possible Key Found: lyelq
Continue? (y/n)
y
Possible Key Found: mjeip
Continue? (y/n)
n
```