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HIC

```
C:\Users\sidne\Desktop\shift-cipher>py encrypt.py "sidney raabe"
Encrypted Text: vlgqhb uddeh
```

The shift cipher can be attacked through a brute force attack. Since there are only 26 variations, there are not too many possibilities for an attacker to comb through.

I took the output from the shift cipher and ran through a brute force script which tries decryption using every shift amount. In this example, iteration 23 is the only option that makes sense.

```
C:\Users\sidne\Desktop\shift-cipher>py bruteforce.py "vlgqhb uddeh"
Shift: 1 wmhric veefi
Shift: 2 xnisjd wffgj
Shift: 3 yojtke xgghk
Shift: 4 zpkulf yhhil
Shift: 5 aqlvmg ziijm
Shift: 6 brmwnh ajjkn
Shift: 7 csnxoi bkklo
Shift: 8 dtoypj cllmp
Shift: 9 eupzqk dmmnq
Shift: 10 fvqarl ennor
Shift: 11 gwrbsm foops
Shift: 12 hxsctn gppqt
Shift: 13 iytduo hqqru
Shift: 14 jzuevp irrsv
Shift: 15 kavfwq jsstw
Shift: 16 lbwgxr kttux
Shift: 17 mcxhys luuvy
Shift: 18 ndyizt mvvwz
Shift: 19 oezjau nwwxa
Shift: 20 pfakbv oxxyb
Shift: 21 qgblcw pyyzc
Shift: 22 rhcmdx qzzad
Shift: 23 sidney raabe
Shift: 24 tjeofz sbbcf
Shift: 25 ukfpga tccdg
```