

Name: Ellar, Mary Franchezca S.

Course, Yr. & Sec: BSIT 4 - 1

Student Number: 202203448

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Python program of Brute Force

```
main.py
1 def encrypt_text (text, key):
2     result = ""
3     for char in text:
4         if char.isalpha():
5             base = ord('A') if char.isupper() else ord('a')
6             result += chr((ord(char) - base + key) % 26 + base)
7         else:
8             result += char
9     return result
10
11 def decrypt_text (text):
12     print ("\nAttempting Brute force decryption...")
13     count = 1;
14     while ( count <= 26):
15         iteration = encrypt_text(text, -count)
16         print ("\nAttempt #" + str(count) + ": " + iteration + "\n")
17         count += 1;
18
19 full_name = input("Enter your full name: ")
20 key = 14
21
22 encrypted = encrypt_text(full_name, key)
23 decrypted = decrypt_text(encrypted)
24
25 print ("26 Attempts Done!")
```

Output:

```
Enter your full name: Mary Franchezca Ellar
Attempting Brute force decryption...
Attempt #1: Znel Senapurmpn Ryyne

Attempt #2: Ymdk Rd mzotglom Qxxmd

Attempt #3: Xlcj Qclynspknl Pwwlc

Attempt #4: Wkbi Pb kxmrojmk Ovvkb

Attempt #5: Vjah Oajwlqnij Nuuja

Attempt #6: Uizg Nzivkpmhki Mttiz

Attempt #7: Thyf Myhujolgjh Lsshy

Attempt #8: Sgxe Lxgtinkfig Krrgx

Attempt #9: Rfwd Kwfshmjehf Jqqfw

Attempt #10: Qevc Jverglidge Ippev

Attempt #11: Pdub Iudqfkhcfd Hoodu

Attempt #12: Octa Htcpejgbec Gnuct

Attempt #13: Nbsz Gsbodifadb Fmmbs

Attempt #14: Mary Franchezca Ellar

Attempt #15: Lzqx Eqzmbgdyhz Dkkzq

Attempt #16: Kypw Dpylafcxay Cjjyp

Attempt #17: Jxov Coxkzebwzx Biiko

Attempt #18: Iwnu Bnwjydayw Ahhwn

Attempt #19: Hvmt Amvixczuxv Zggum

Attempt #20: Guls Zluhbbytwu Yfful

Attempt #21: Ftkr Yktgvaxsvt Xeetk

Attempt #22: Esjq Xjsfuzwrus Wddsj

Attempt #23: Drip Wiretyugtz Vecri

Attempt #24: Cgho Vhqdsxupsq Ubbgh

Attempt #25: Bpgn Ugpcrwtrorp Taapg

Attempt #26: Aofm Tfobqusnqo Szsof

26 Attempts Done!

...Program finished with exit code 0
Press ENTER to exit console.||
```