

Name: Ellar, Mary Franchezca S.

Course, Yr. & Sec: BSIT 4 - 1

Student Number: 202203448

Date: November 15, 2025

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 Rdmzotqlom Qxxmd
Attempt #3: Xlcj Qclynspknl Pwlc
Attempt #4: Wkbi Pbkxmrojmk Ovvkb
Attempt #5: Vjah Oajwlqnilj Nuuja
Attempt #6: Uizg Nzivkpmhki Mttiz
Attempt #7: Thyf Myhujolgjh Lshy
Attempt #8: Sgxe Lxgtinkfig Krrgx
Attempt #9: Rfwd Kwfsbmjehf Jqgfw
Attempt #10: Qevc Jverglidge Ippev
Attempt #11: Pdub Iudgfkchfd Hoodu
Attempt #12: Octa Htopejgbec Gnnct
Attempt #13: Nbsz Gsbodifadb Fmmbz
Attempt #14: Mary Franchezca Ellar
Attempt #15: Lzqx Eqzmbgdybz Dkkzq
Attempt #16: Kypw Dpylafcxay Cjjyp
Attempt #17: Jxov Coxkzebwzx Biixv
Attempt #18: Iwnu Bnwjydvayw Ahhwn
Attempt #19: Hvvt Amvixczuxv Zggvm
Attempt #20: Guls Zluhwbytwu Yfful
Attempt #21: Ftkr Yktguaxsvt Xeeek
Attempt #22: Esjq Xjsfuzwvus Wddsj
Attempt #23: Drip Wiretyvqtr Vccri
Attempt #24: Cqho Vhqdskupsq Ubbqh
Attempt #25: Bpgn Uqpcrwtorp Taapg
Attempt #26: Aofm Tfobqvsngo Szzof
26 Attempts Done!

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