

**Secure Programming**

**Brute Force**

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**Actual Word Count: 284**

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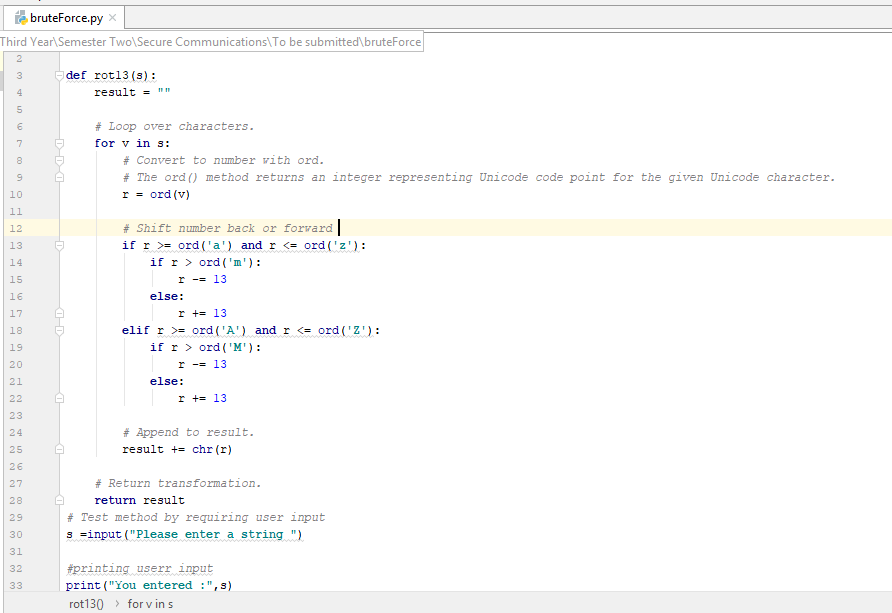
[References 5](#_Toc6673522)

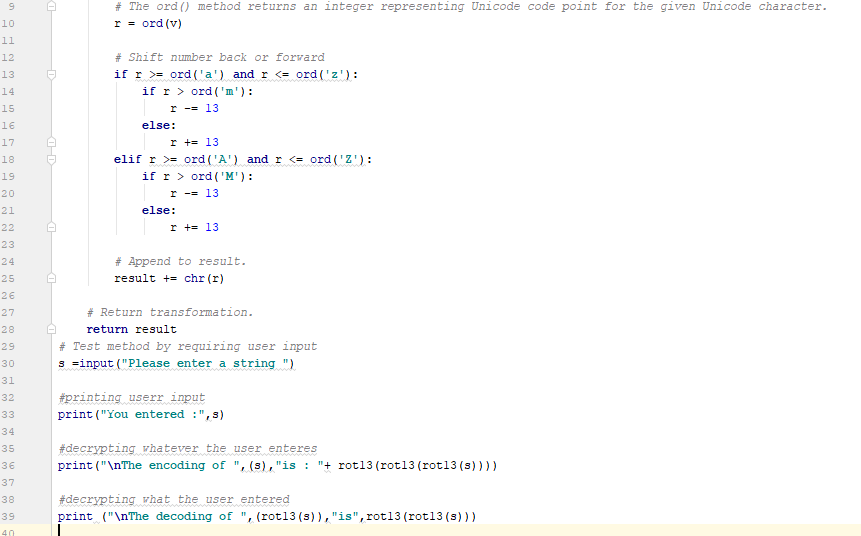
# Introduction

This program is a cypher brute forcing tool Encoding and decoding has been made easier with the use of code. For this program I declared a function called rot13 and a for-loop to iterate over the string characters. I also made use of the built in function ord.

# The Program

The screenshot below is a copy of the code. This program will take in user input in plain text and we use rot13 to ciphertext .

Figure The code

Figure Part 2

## User Input

Below is a screenshot of asking for user input. The user is requested to put a plain text.

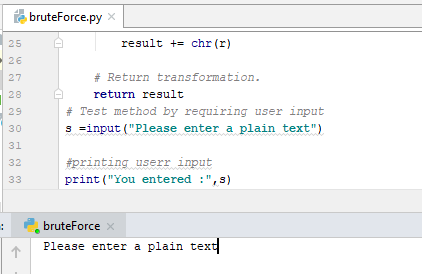


Figure user input

## Plain text entered

Below is a screenshot of the plain text that the user entered. The user entered

Plain text = rose

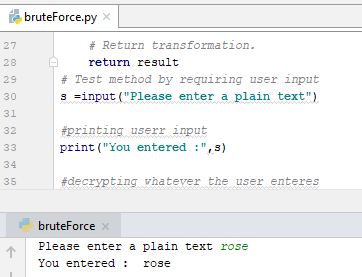


Figure User inputs rose

## Cyphertext

Figure 5 shows a screenshot of encrypted text.

Plaintext = rose

Cyphertext = ebfr

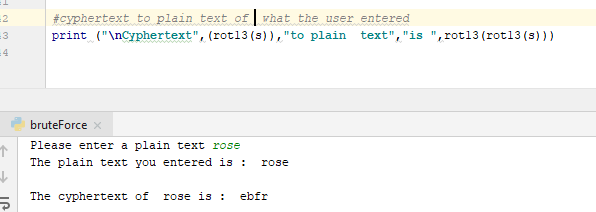


Figure Encryption

## Brute Force

Below screenshot shows the plain text being decoded

Plaintext = rose

Encrypted text = ebfr

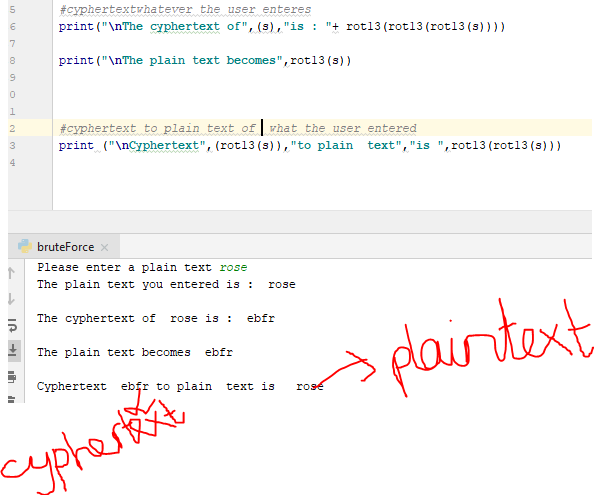


Figure Decoded

# Conclusion

Working from text to cyphertext to plain text was exiting it opened my mind to trying many things. I enjoyed doing this lab.

# References

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*ciphers/caesar-cipher/*. (n.d.). Retrieved from www.practicalcryptography.com: http://www.practicalcryptography.com/ciphers/caesar-cipher/

*https://www.youtube.com/watch?v=e\_ykbF9hbH8&t=345s* (n.d.). [Motion Picture].

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*ord-function-python*. (n.d.). Retrieved from /www.geeksforgeeks.org: https://www.geeksforgeeks.org/ord-function-python/

(ciphers/caesar-cipher/, n.d.) (ord-function-python, n.d.)