



TEAM ARCEUS

Project : Encryption System





Introducing our team members



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We are all students of
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- Our presentation topic “Encryption System”
- Some questions given here may come to your mind...

What is encryption system?

» Encryption is the method by which information is converted into secret code that hides the information's true meaning.

How encryption system work?

» Encryption works by encoding “plaintext” into “ciphertext,” typically through the use of cryptographic mathematical models known as algorithms.

Caesar Cipher Encryption System

In cryptography, a Caesar cipher, also known as Caesar's cipher, the shift cipher, Caesar's code or Caesar shift, is one of the simplest and most widely known encryption techniques. It is a type of substitution cipher in which each letter in the plaintext is replaced by a letter some fixed number of positions down the alphabet. The method is named after Julius Caesar, who used it in his private correspondence.

The encryption step performed by a Caesar cipher is often incorporated as part of more complex schemes, such as the Vigenère cipher, and still has modern application in the ROT13 system. As with all single-alphabet substitution ciphers, the Caesar cipher is easily broken and in modern practice offers essentially no communications security.



Arceus Encryption System

It is a secret encryption system developed by Team Arceus. As we already told you this is a secret encryption system so we don't want to share how the algorithm works. It is completely effective and safe method. It is working properly. Although in this case you can try to decrypt our encryption using Google or Chat GPT, but it won't work. It is not very easy to decrypt by any method of internet or artificial intelligence or any software. If you encrypt a message from the Team Arceus system, you must decrypt it with our system. No other system can decrypt our messages. It can be used for security purposes. We will consider ourselves blessed if we can hand it over to National Administrative Security.



Algorithm of our program

1. Start the program.
2. Ask the user to choose between two encryption systems: Caesar Cipher and Arceus Encryption.
3. Based on the user's choice, call the corresponding encryption function:
 - For Caesar Cipher Encryption:
 1. Call the Caesar_Cipher_Encryption() function.
 2. Ask the user to choose between encryption and decryption.
 - ❖ If encryption is chosen:
 1. Get the message and key input from the user.
 2. Encrypt the message using the Caesar Cipher algorithm.
 3. Display the encrypted message.
 - ❖ If decryption is chosen:
 1. Get the message and decryption method input from the user.
 - ❖ If the user chooses to use a key:
 1. Get the key input from the user.
 2. Decrypt the message using the key and Caesar Cipher algorithm.
 3. Display the decrypted message.
 - ❖ If the user chooses to use brute force:
 1. Try all possible keys to decrypt the message using the Caesar Cipher algorithm.
 2. Display all decrypted messages.
 - For Arceus Encryption:
 1. Call the Arceus_Encryption() function.
 2. Ask the user to choose between encryption and decryption.
 - ❖ If encryption is chosen:
 1. Get the message input from the user.
 2. Encrypt the message using the Arceus Encryption algorithm.
 3. Display the encrypted message.
 - ❖ If decryption is chosen:
 1. Get the message input from the user.
 2. Decrypt the message using the Arceus Encryption algorithm.
 3. Display the decrypted message.
4. End the program.

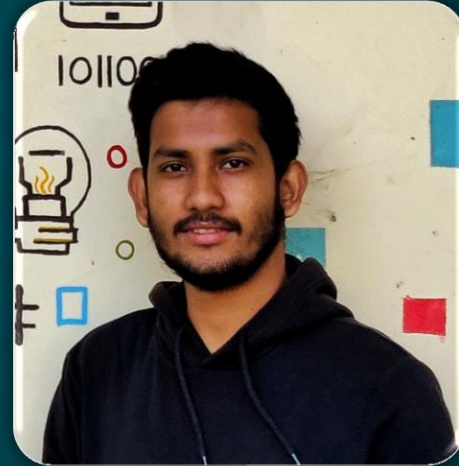
Summary

This code appears to be a command-line program that provides options for encryption using two different algorithms: Caesar Cipher and Arceus Encryption. The user can choose one of the options by entering a corresponding number.

In the case of Caesar Cipher Encryption, the program provides options for encrypting and decrypting a message. The program asks the user to enter a message and a key. It then encrypts or decrypts the message using the Caesar Cipher algorithm and displays the encrypted or decrypted message. In decrypt option if the user don't have the key then the user can also use the brute force method to crack the encrypted message.

For Arceus Encryption, the program provides options for encrypting and decrypting a message. The user is asked to enter a message and select the encryption or decryption operation. The Arceus Encryption algorithm modifies the characters in the message based on their positions to create the encrypted or decrypted message.

Overall, this program allows users to encrypt messages using either the Caesar Cipher or Arceus Encryption algorithms.



Love and respect to all from TEAM ARCEUS