

Online Python Compiler (Inter...
https://www.programiz.com/python-programming/online-compiler/

Programiz
Python Online Compiler

Programiz PRO >

main.py

Save

Run

```
1 def caesar_cipher(text, shift, decrypt=False):
2     encrypted_text = ""
3     for char in text:
4         if char.isalpha(): # Check if the character is alphabet
5             if char.isupper(): # For uppercase letters
6                 if decrypt:
7                     encrypted_text += chr((ord(char) - shift - 65) % 26 + 65)
8                 else:
9                     encrypted_text += chr((ord(char) + shift - 65) % 26 + 65)
10            else: # For lowercase letters
11                if decrypt:
12                    encrypted_text += chr((ord(char) - shift - 97) % 26 + 97)
13                else:
14                    encrypted_text += chr((ord(char) + shift - 97) % 26 + 97)
15            else:
16                encrypted_text += char # If character is not alphabet, keep it as it is
17    return encrypted_text
18
19 def main():
20     while True:
21         print("\nCaesar Cipher Program")
22         print("1. Encrypt")
23         print("2. Decrypt")
24         print("3. Exit")
25         choice = input("Enter your choice: ")
```

Output

Clear

Caesar Cipher Program
1. Encrypt
2. Decrypt
3. Exit
Enter your choice: 1
Enter message to encrypt: encrypt
Enter the shift value: 3
Encrypted message: hqfubsw

Caesar Cipher Program
1. Encrypt
2. Decrypt
3. Exit
Enter your choice: 2
Enter message to decrypt: decrypt
Enter the shift value: 3
Decrypted message: abzovmq

Caesar Cipher Program
1. Encrypt
2. Decrypt
3. Exit
Enter your choice: 3
Exiting program.

=== Code Execution Successful ===