```
def encrypt(text, shift):
    result = ""
    for char in text:
        if char.isalpha():
            base = ord('A') if char.isupper() else ord('a')
            shifted = (ord(char) - base + shift) % 26 + base
            result += chr(shifted)
        else:
            result += char
    return result

def decrypt(text, shift):
    return encrypt(text, -shift)

# Run this block and then the next block to interact
print("Caesar Cipher Ready!")
```

```
Caesar Cipher Ready!
```

```
message = input("Enter your message: ")
shift = int(input("Enter shift value (e.g., 3): "))
choice = input("Type 'e' to Encrypt or 'd' to Decrypt: ").lower()

if choice == 'e':
    encrypted = encrypt(message, shift)
    print("🔒 Encrypted Message:", encrypted)
elif choice == 'd':
    decrypted = decrypt(message, shift)
    print("🔓 Decrypted Message:", decrypted)
else:
    print("Invalid choice!")
```

```
Enter your message: Life
Enter shift value (e.g., 3): 2
Type 'e' to Encrypt or 'd' to Decrypt: d
🔓 Decrypted Message: Jgdc
```

```
#Advance Version
def encrypt(text, shift):
    result = ""
    for char in text:
        if char.isalpha():
            base = ord('A') if char.isupper() else ord('a')
            shifted = (ord(char) - base + shift) % 26 + base
            result += chr(shifted)
        else:
            result += char
    return result

def decrypt(text, shift):
    return encrypt(text, -shift)

history = []

print("🔁 Caesar Cipher Tool: Encrypt & Decrypt with Ease 🔁")

while True:
    message = input("\n💬 Enter your message: ")

    while True:
        try:
            shift = int(input("🔢 Enter shift value (e.g., 3): "))
            break
        except ValueError:
            print("⚠️ Please enter a valid number.")

    choice = input("👉 Type 'e' to Encrypt or 'd' to Decrypt (or 'q' to Quit): ").strip().lower()

    if choice == 'e':
        encrypted = encrypt(message, shift)
        print("🔒 Encrypted Message:", encrypted)
        history.append(f"Encrypted: '{message}' -> '{encrypted}' (Shift: {shift})")

    elif choice == 'd':
        decrypted = decrypt(message, shift)
```

```
            print("🔓 Decrypted Message:", decrypted)
            history.append(f"Decrypted: '{message}' -> '{decrypted}' (Shift: {shift})")

        elif choice == 'q':
            print("\n📝 Operation History:")
            for h in history:
                print("•", h)
            print("\n👋 Exiting Caesar Cipher Tool. Bye!")
            break
        else:
            print("❌ Invalid choice! Please enter 'e', 'd', or 'q'.")


    ••• 🔄 Caesar Cipher Tool: Encrypt & Decrypt with Ease 🔄

        💬 Enter your message: Cat
        🔢 Enter shift value (e.g., 3): 1
        👉 Type 'e' to Encrypt or 'd' to Decrypt (or 'q' to Quit): e
        🔐 Encrypted Message: Dbu

        💬 Enter your message: Save
        🔢 Enter shift value (e.g., 3): 3
        👉 Type 'e' to Encrypt or 'd' to Decrypt (or 'q' to Quit): d
        🔓 Decrypted Message: Pxsb

        💬 Enter your message: Four
        🔢 Enter shift value (e.g., 3): 2
        👉 Type 'e' to Encrypt or 'd' to Decrypt (or 'q' to Quit): e
        🔐 Encrypted Message: Hqwt

        💬 Enter your message: Morning
        🔢 Enter shift value (e.g., 3): 6
        👉 Type 'e' to Encrypt or 'd' to Decrypt (or 'q' to Quit): d
        🔓 Decrypted Message: Gilhcha

        💬 Enter your message:
```