

```
def caesar_cipher(text, shift, mode="encrypt"):
    result = ""
    if mode == "decrypt":
        shift = -shift # Reverse shift for decryption

    for char in text:
        if char.isalpha():
            shift_base = ord('A') if char.isupper() else ord('a')
            result += chr((ord(char) - shift_base + shift) % 26 +
shift_base)
        else:
            result += char # Keep spaces and special characters
unchanged
    return result
```

Secret message and password

```
secret_msg = "Secret Message"
```

```
password = "MyPassword123"
```

Shift key

```
shift_key = 4
```

Encrypting

```
encrypted_msg = caesar_cipher(secret_msg, shift_key,  
"encrypt")
```

```
encrypted_pass = caesar_cipher(password, shift_key,  
"encrypt")
```

Decrypting

```
decrypted_msg = caesar_cipher(encrypted_msg, shift_key,  
"decrypt")
```

```
decrypted_pass = caesar_cipher(encrypted_pass, shift_key,  
"decrypt")
```

Output results

```
print("Encrypted Message:", encrypted_msg)
```

```
print("Encrypted Password:", encrypted_pass)
```

```
print("\nDecrypted Message:", decrypted_msg)
```

```
print("Decrypted Password:", decrypted_pass)
```