

```
from PIL import Image
```

```
def encrypt_image():
```

```
    # Open the image
```

```
    image = Image.open("input.jpg")
```

```
    pixels = image.load()
```

```
    # Encrypt by adding a number (key) to each pixel
```

```
    key = 50 # Adjust this to any number from 1 to 255
```

```
    for i in range(image.width):
```

```
        for j in range(image.height):
```

```
            r, g, b = pixels[i, j]
```

```
            pixels[i, j] = (r + key) % 256, (g + key) % 256, (b + key) % 256
```

```
    # Save the encrypted image
```

```
    image.save("encrypted_image.png")
```

```
    print("Image encrypted as 'encrypted_image.png'")
```

```
def decrypt_image():
```

```
    # Open the encrypted image
```

```
    image = Image.open("encrypted_image.png")
```

```
    pixels = image.load()
```

```
    # Decrypt by subtracting the key
```

```
    key = 50 # Must be the same as the encryption key
```

```
    for i in range(image.width):
```

```
        for j in range(image.height):
```

```
            r, g, b = pixels[i, j]
```

```
            pixels[i, j] = (r - key) % 256, (g - key) % 256, (b - key) % 256
```