

In [12]:



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import cv2
import dlib
from PIL import Image
import os
import numpy as np
import face_recognition

face_detector = dlib.get_frontal_face_detector()
image_dir = "C:\\Users\\bhoom\\OneDrive\\Desktop\\image direc"
known_image_path = "C:\\Users\\bhoom\\OneDrive\\Desktop\\image direc\\bhoom.jpg"

# Load the known face image
known_image = face_recognition.load_image_file(known_image_path)
known_face_encoding = face_recognition.face_encodings(known_image)[0]

for filename in os.listdir(image_dir):
    if filename.endswith(".jpg") or filename.endswith(".png"):
        image_path = os.path.join(image_dir, filename)

        # Load the image using Pillow
        image = Image.open(image_path)

        # Convert the image to grayscale
        gray_image = image.convert("L")

        # Convert the grayscale image to a numpy array
        image_array = np.array(gray_image)

        # Detect faces in the image using the face detector
        faces = face_detector(image_array)

        # If a face is detected, perform face recognition
        for face in faces:
            # Open the image if a face is detected
            image.show()
```

In []:



```
C:\\Users\\bhoom\\OneDrive\\Desktop\\image direc\\bhoom.jpg
```