D:\Bitnami\wampstack\apache2\htdocs\ailogi\recogface\capture_face.py

```python
# 학습용 얼굴 이미지 데이터 생성
import cv2,os

face_cascade = cv2.CascadeClassifier(cv2.data.haarcascades + 'haarcascade_frontalface_default.xml')

cap = cv2.VideoCapture(0)
user_id = input("Enter User ID: ")
count = 0

os.makedirs("dataset", exist_ok=True)

while True:
    ret, frame = cap.read()
    if not ret:
        break

    gray = cv2.cvtColor(frame, cv2.COLOR_BGR2GRAY)
    faces = face_cascade.detectMultiScale(gray, scaleFactor=1.2, minNeighbors=5)

    for (x, y, w, h) in faces:
        count += 1
        cv2.imwrite(f"dataset/User.{user_id}.{count}.jpg", gray[y:y + h, x:x + w])
        cv2.rectangle(frame, (x, y), (x + w, y + h), (255, 0, 0), 2)

    cv2.imshow("Capturing Faces", frame)

    if cv2.waitKey(1) & 0xFF == ord('q') or count >= 50:  # 50장 수집 후 종료
        break

cap.release()
cv2.destroyAllWindows()

```