```
import pickle
import numpy as np
from tensorflow.keras.preprocessing import image
from tensorflow.keras.applications.resnet50 import ResNet50,
preprocess input
from tensorflow.keras.layers import GlobalMaxPooling2D
from tensorflow.keras.models import Sequential
from numpy.linalg import norm
from sklearn.neighbors import NearestNeighbors
import cv2
features list = pickle.load(open("image features embedding.pkl", "rb"))
img files list = pickle.load(open("img files.pkl", "rb"))
print(np.array(features list).shape)
model = ResNet50(weights="imagenet", include top=False, input shape=(224,
224, 3))
model.trainable = False
model = Sequential([model, GlobalMaxPooling2D()])
img = image.load img('sample/shoes.jpg',target size=(224,224))
img array = image.img to array(img)
expand img = np.expand dims(img array, axis=0)
preprocessed img = preprocess input(expand img)
result to resnet = model.predict(preprocessed_img)
flatten result = result_to_resnet.flatten()
# normalizing
result normlized = flatten result / norm(flatten result)
neighbors = NearestNeighbors(n neighbors = 6, algorithm='brute',
metric='euclidean')
neighbors.fit(features list)
distence, indices = neighbors.kneighbors([result normlized])
print(indices)
for file in indices[0][1:6]:
    print(img files list[file])
    tmp img = cv2.imread(img files list[file])
    tmp img = cv2.resize(tmp img, (200, 200))
    cv2.imshow("output", tmp_img)
    cv2.waitKey(0)
```