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"import numpy as np\n",

"import cv2\n",

"import glob\n",

"import tensorflow as tf\n",

"from tensorflow.keras import Model, Input, regularizers\n",

"from tensorflow.keras.layers import Dense, Conv2D, MaxPool2D, UpSampling2D, Add, Dropout\n",

"from tensorflow.keras.callbacks import EarlyStopping, ModelCheckpoint\n",

"from keras.preprocessing import image\n",

"import matplotlib.pyplot as plt\n",

"from sklearn.model\_selection import train\_test\_split \n",

"import pickle"

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"face\_images = glob.glob('lfw/lfw/\*\*/\*.jpg') #gives path\n",

"\n",

"print(face\_images[:2], len(face\_images))"

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" pickle.dump(face\_images,f)"

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"from multiprocessing import Pool\n",

"progress = tqdm(total= len(face\_images), position=0)\n",

"def read(path):\n",

" img = image.load\_img(path, target\_size=(80,80,3))\n",

" img = image.img\_to\_array(img)\n",

" img = img/255.\n",

" progress.update(1)\n",

" return img\n",

"\n",

"p = Pool(10)\n",

"img\_array = p.map(read, face\_images)"

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" 10%|█ | 1328/13243 [16:16<2:52:10, 1.15it/s]"

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