```
from
dataclasses
import
dataclass
              from fileinput import filename
              from flask import Flask,request,render_template
              from werkzeug.utils import secure_filename
              from keras import models
              import warnings
              import pandas as pd
              import numpy as np


              import matplotlib
              import matplotlib.pyplot as plt




              warnings.filterwarnings("ignore")
              plt.style.use('fivethirtyeight')
              matplotlib.rcParams['axes.labelsize']=14
              matplotlib.rcParams['xtick.labelsize']=12
              matplotlib.rcParams['ytick.labelsize']=12
              matplotlib.rcParams['text.color']='k'
              import pickle
              import os
              from PIL import Image
              from flask_cors import CORS
              app = Flask(__name__)
              CORS(app)


              APP_ROOT=os.path.dirname(os.path.abspath(__file__))
              UPLOAD_PATH="get image"
              UPLOAD_DIRECTORY=os.path.join(APP_ROOT,UPLOAD_PATH)
              app.config['UPLOAD_DIRECTORY']=UPLOAD_DIRECTORY


              #upload dataset
              @app.route('/upload_file',methods=['POST'])
              def upload_file():
                      img = Image.open(request.files['file'].stream).convert("L")
                      img = img.resize((28,28))
                      img2arr = np.array(img)
                      img2arr = img2arr.reshape(1,28,28,1)
```

```
        model = models.load_model('final_model.h5')
        #y_pred = model.predict_classes(img2arr)
        y_pred = np.argmax(model.predict(img2arr), axis=1)
        print(y_pred)
        if(y_pred == 0):
            return render_template("0.html",shoechase = str(y_pred))
        elif(y_pred == 1):
            return render_template("1.html",shoechase = str(y_pred))
        elif(y_pred == 2):
            return render_template("2.html",shoechase = str(y_pred))
        elif(y_pred == 3):
            return render_template("3.html",shoechase = str(y_pred))
        elif(y_pred == 4):
            return render_template("4.html",shoechase = str(y_pred))
        elif(y_pred == 5):
            return render_template("5.html",shoechase = str(y_pred))
        elif(y_pred == 6):
            return render_template("6.html",shoechase = str(y_pred))
        elif(y_pred == 7):
            return render_template("7.html",shoechase = str(y_pred))
        elif(y_pred == 8):
            return render_template("8.html",shoechase = str(y_pred))
        else:
            return render_template("9.html",shoechase = str(y_pred))
@app.route('/')
def home():
    return render_template("home.html")



if __name__=='__main__':
    app.run(debug=True)
```