#importing the necessary dependencies

import numpy as np

from flask import Flask,request,render\_template

import pickle

import os

import pandas as pd

app=Flask(\_\_name\_\_)#initializing a flask app

model=pickle.load(open'cement.pkl','rb')))

@app.route('/')#route to display the home page

def home():

return render\_template("index.html")

@app.route('/predict',methods=['POST','GET'])#route to show the predictions in a web UI

def prediction():

return render\_template('index1.html')

@app.route('/predict',methods=['POST','GET'])

def my\_home();

return render\_template('home.html')

@app.route('/predict',methods=['POST'])#route to show the prediction in aweb UI

def index():

#reading the input given by the user

input\_features=[float(x) for x in request.form.values()]

features\_value=[np.array(input\_features)]

features\_name=['cement','blast furnace slag','fly flash','water','superplasticizer','coarse aggregate','fine aggregate','age']

def prediction():

return render\_template('index1.html')

@app.route('/home',methods=['POST','GET'])

def my\_home():

return render\_template('home.html')

@app.route('/predict',methods=['POST'])

def index():

#reading the input given by the user

input\_features=[float(x) for x in request.form.values()]

features\_value=[np.array(input\_features)]

features\_name=['cement','blast furnace slag','fly ash','water','superplasticizer','coarse aggregate','fine aggregate','age']

x=pd.Dataframe(features\_value,columns=features\_name)

x\_log=np.log(x)#performing log transformation

#predictions using the loaded model file

prediction=model.predict(x\_log)

print('prediction is',predition)

#showing the prediction results in UI

return render\_template('result2.html',prediction\_text=prediction)

if\_\_name\_\_=="\_\_main\_\_":

#app.run(host='127.0.0.1',port=8001,debug=true)

#app.run(debug=false)#running the app

app.run('0.0.0.0.8080')#local host 8080