

```
1 from flask import Flask,render_template,redirect,url_for,request
2 import pickle
3 import numpy as np
4
5 from flask_mysql import MySQL
6 import MySQLdb.cursors
7 import re
8
9
10 app = Flask(__name__)
11
12 #diabetes model read
13 filename = open('Diabetes/diabetespredictmodel.pkl', 'rb')
14 model = pickle.load(filename)
15 filename.close()
16
17 #spamham model read
18 filename = open('Spam_Ham/spam-sms-mnb-model.pkl', 'rb')
19 classifier = pickle.load(filename)
20 files = open('Spam_Ham/cv-transform.pkl','rb')
21 cv = pickle.load(files)
22 filename.close()
23 files.close()
24
25
26 @app.route('/')
27 def index():
28     return render_template('home.html')
29
30 @app.route('/home')
31 def home():
32     return render_template('home.html')
33
34 @app.route('/diapredict', methods=['GET','POST'])
35 def diapredict():
36     if request.method == 'POST':
37         na = request.form['na']
38         pr = int(request.form['pr'])
39         gl = int(request.form['gl'])
40         bp = int(request.form['bp'])
41         st = int(request.form['st'])
42         ins = int(request.form['in'])
43         bm = float(request.form['bm'])
44         dp = float(request.form['dp'])
45         ag = int(request.form['ag'])
46
47         data = np.array([[pr,gl,bp,st,ins,bm,dp,ag]])
48         my_prediction = model.predict(data)
49         my_prediction_proba = model.predict_proba(data)[0][1]
50
51         return render_template('diashow.html',name=na,prediction=my_prediction,proba=my_prediction_proba)
52     return render_template('dia.html')
53
54 @app.route('/sphampredict',methods=['GET','POST'])
55 def sphampredict():
56     if request.method == 'POST':
57         message = request.form['message']
58         data = [message]
59         vect = cv.transform(data).toarray()
60         my_prediction = classifier.predict(vect)
61         return render_template('sphamshow.html', prediction=my_prediction)
62     return render_template('spham.html')
63
64
65 if __name__ == '__main__':
66     app.run(debug=True)
67
```