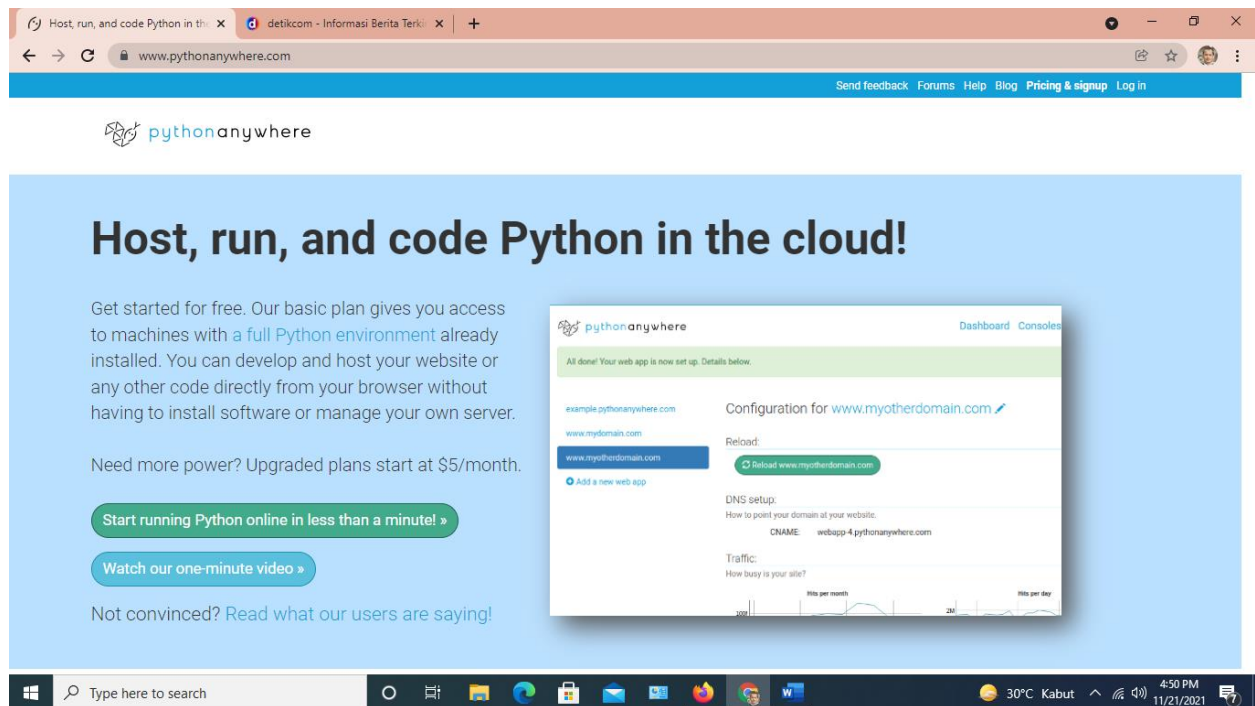
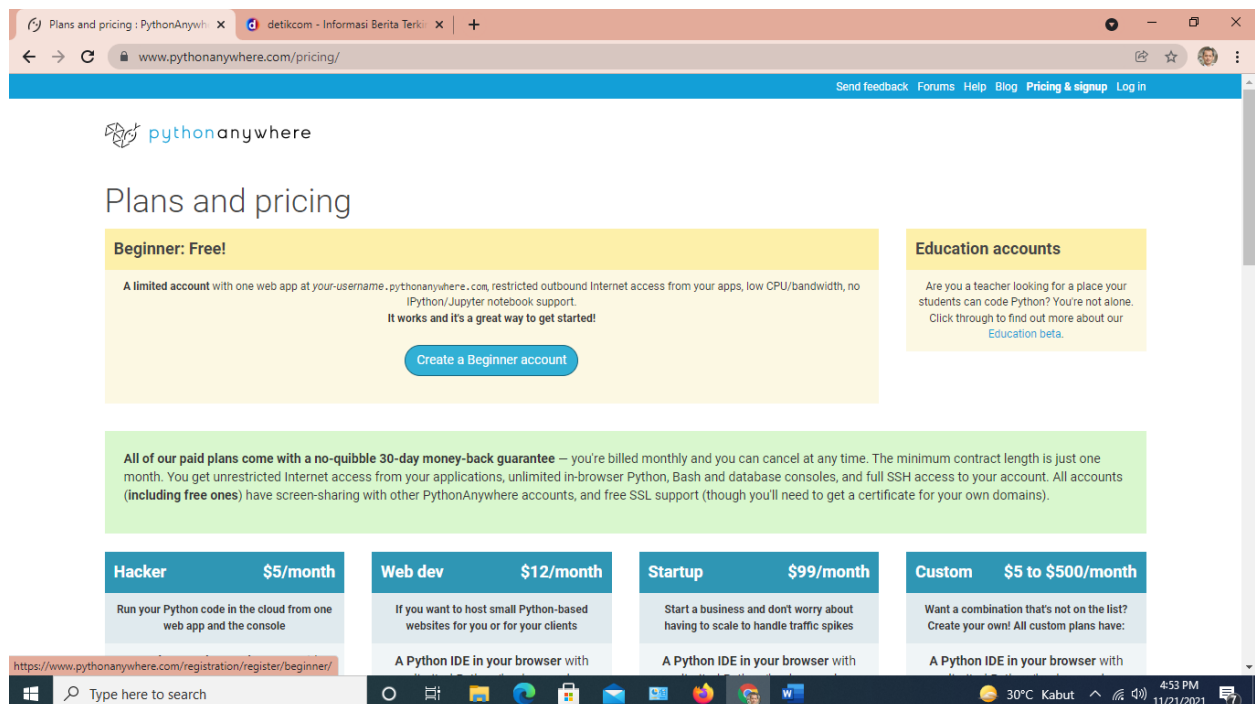


Buka situs pythonanywhere.com



The screenshot shows the PythonAnywhere homepage in a web browser. The browser's address bar displays 'www.pythonanywhere.com'. The page features a blue header with the PythonAnywhere logo and navigation links: 'Send feedback', 'Forums', 'Help', 'Blog', 'Pricing & signup', and 'Log in'. The main content area has a light blue background with the heading 'Host, run, and code Python in the cloud!'. Below this, there is a paragraph about getting started for free, followed by a button 'Start running Python online in less than a minute!'. To the right, a preview of the PythonAnywhere dashboard is shown, displaying configuration for 'www.myotherdomain.com' and a traffic graph. The Windows taskbar at the bottom shows the search bar and various application icons.

Pilih menu Start running Python online



The screenshot shows the 'Plans and pricing' page on PythonAnywhere. The browser's address bar shows 'www.pythonanywhere.com/pricing/'. The page has a blue header with the same navigation links as the homepage. The main content area is titled 'Plans and pricing' and features a yellow box for the 'Beginner: Free!' plan, which includes a 'Create a Beginner account' button. To the right, there is a section for 'Education accounts'. Below these, a green box states that all paid plans come with a 30-day money-back guarantee. At the bottom, four pricing plans are listed in blue boxes: 'Hacker' (\$5/month), 'Web dev' (\$12/month), 'Startup' (\$99/month), and 'Custom' (\$5 to \$500/month). Each plan includes a brief description of its features. The Windows taskbar at the bottom shows the search bar and various application icons.

Pilih create a Begiiner account



Create your account

Username:

Email:

Password:

Password (again):

☐ I agree to the [Terms and Conditions](#) and the [Privacy and Cookies Policy](#), and confirm that I am at least 13 years old.

[Register](#)

We promise not to spam or pass your details on to anyone else.

Copyright © 2011-2021 PythonAnywhere LLP - [Terms](#) - [Privacy & Cookies](#)



Dashboard [Consoles](#) [Files](#) [Web](#) [Tasks](#) [Databases](#)

Warning You have not confirmed your email address yet. This means that you will not be able to reset your password if you lose it. If you cannot find your confirmation email anymore, send yourself a new one [here](#).

Dashboard

Welcome, [belajarpython](#)

CPU Usage: 0% used - 0.00s of 100s. Resets in 23 hours, 59 minutes [More Info](#)

File storage: 0% full - 48.0 KB of your \$12.0 MB quota [More Info](#)

[Upgrade Account](#)

Recent
Consoles

+ 5 -

You have no recent consoles.

New console:

\$ Bash

>>> Python

[More...](#)

Recent
Files

+ 5 -

You have no recently edited files.

[+ Open another file](#)

[Browse files](#)

Recent
Notebooks

+ 5 -

Your account does not support Jupyter Notebooks. Upgrade your account to get access!

All
Web apps

You don't have any web apps.

[Open Web tab](#)

Copyright © 2011-2021 PythonAnywhere LLP - [Terms](#) - [Privacy & Cookies](#)

Pilih menu web

Warning You have not confirmed your email address yet. This means that you will not be able to reset your password if you lose it. If you cannot find your confirmation email anymore, send yourself a new one [here](#).

+ Add a new web app

You have no web apps

To create a PythonAnywhere-hosted web app, click the 'Add a new web app' button to the left.

Pilih menu add a new web app

Warning You have not confirmed your email address yet. This means that you will not be able to reset your password if you lose it. If you cannot find your confirmation email anymore, send yourself a new one [here](#).

+ Add a new web app

Create new web app

Your web app's domain name

Your account doesn't support custom domain names, so your PythonAnywhere web app will live at `belajarpython.pythonanywhere.com`.

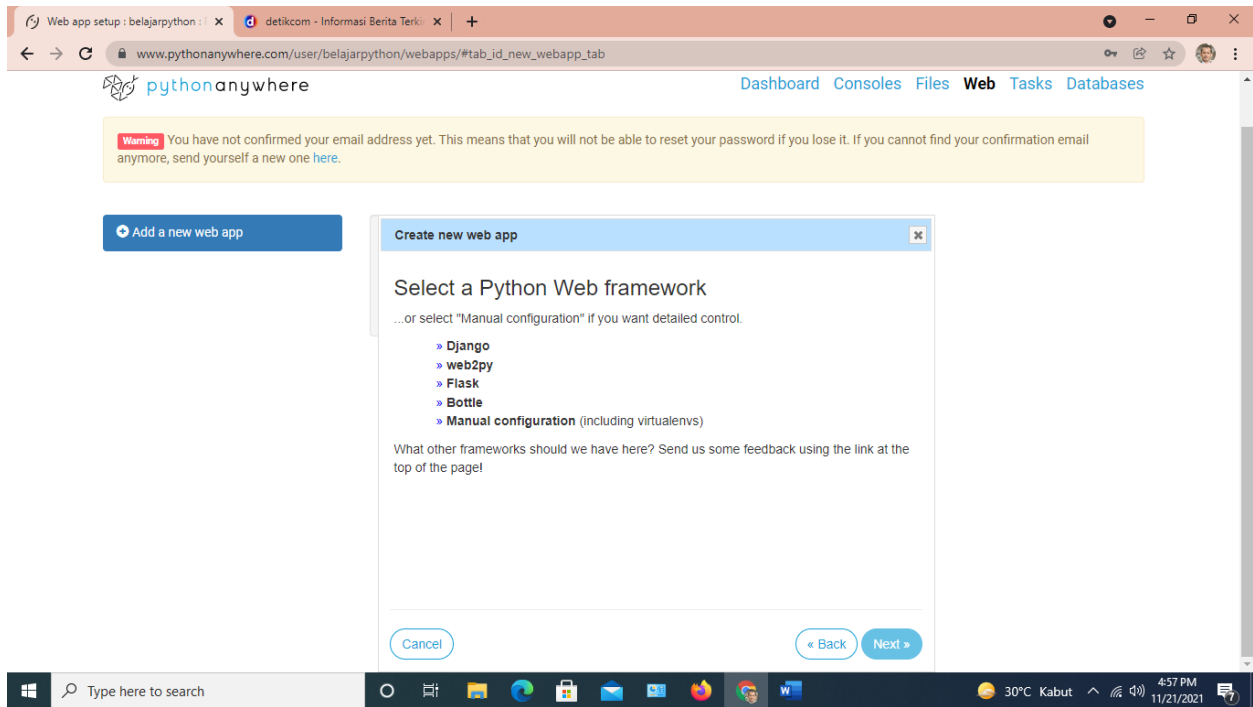
Want to change that? [Upgrade now!](#)

Otherwise, just click "Next" to continue.

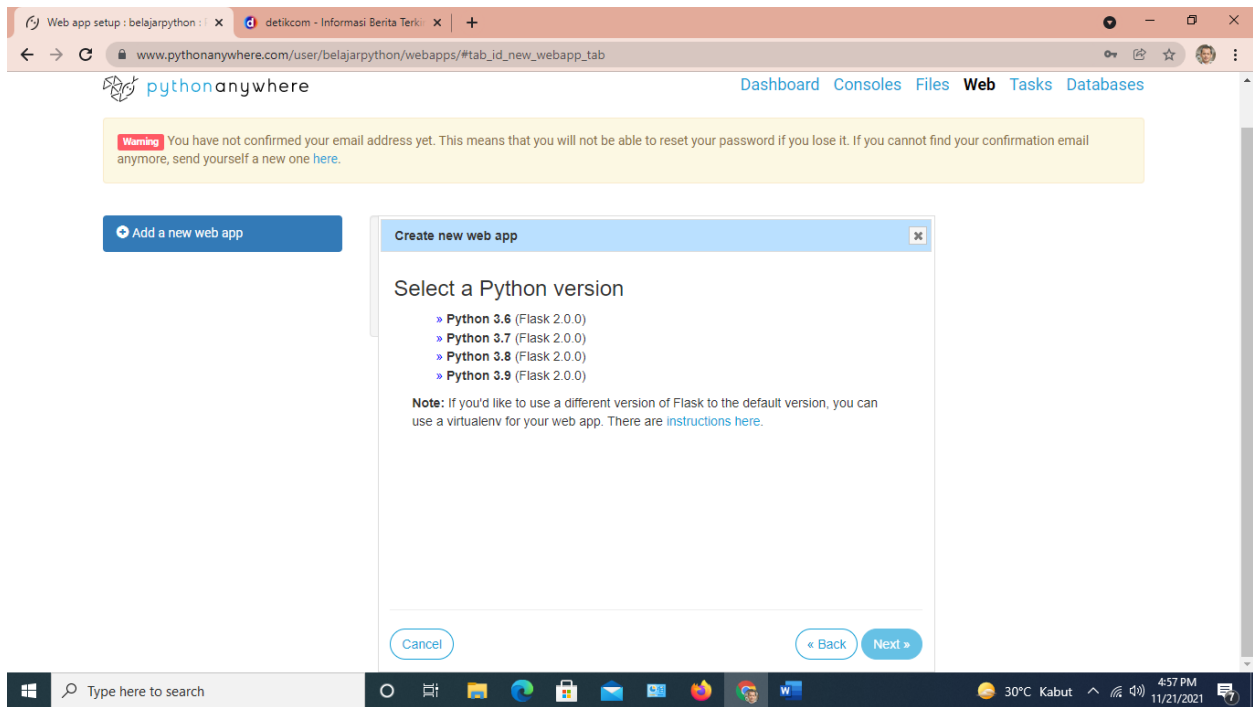
Cancel

« Back

Next »



pilih Flask



Pilih Python 3.9

Web app setup : belajarpython : x | detikcom - Informasi Berita Terkini : x | +

www.pythonanywhere.com/user/belajarpython/webapps/#tab_id_new_webapp_tab

pythonanywhere Dashboard Consoles Files Web Tasks Databases

Warning You have not confirmed your email address yet. This means that you will not be able to reset your password if you lose it. If you cannot find your confirmation email anymore, send yourself a new one [here](#).

[Add a new web app](#)

Create new web app

Select a Python version

- » Python 3.6 (Flask 2.0.0)
- » Python 3.7 (Flask 2.0.0)
- » Python 3.8 (Flask 2.0.0)
- » Python 3.9 (Flask 2.0.0)

Note: If you'd like to use a different version of Flask to the default version, you can use a virtualenv for your web app. There are [instructions here](#).

[Cancel](#) [« Back](#) [Next »](#)

Web app setup : belajarpython : x | detikcom - Informasi Berita Terkini : x | +

www.pythonanywhere.com/user/belajarpython/webapps/#tab_id_new_webapp_tab

pythonanywhere Dashboard Consoles Files Web Tasks Databases

Warning You have not confirmed your email address yet. This means that you will not be able to reset your password if you lose it. If you cannot find your confirmation email anymore, send yourself a new one [here](#).

[Add a new web app](#)

Create new web app

Quickstart new Flask project

Enter a path for a Python file you wish to use to hold your Flask app. If this file already exists, its contents will be overwritten with the new app.

Path

[Cancel](#) [« Back](#) [Next »](#)

Web app setup: belajarpython : x | detikcom - Informasi Berita Terkini : x | +

www.pythonanywhere.com/user/belajarpython/webapps/#tab_id_belajarpython_pythonanywhere_com

pythonanywhere Dashboard Consoles Files Web Tasks Databases

All done! Your web app is now set up. Details below.

Warning You have not confirmed your email address yet. This means that you will not be able to reset your password if you lose it. If you cannot find your confirmation email anymore, send yourself a new one [here](#).

belajarpython.pythonanywhere.com

+ Add a new web app

Configuration for belajarpython.pythonanywhere.com

Reload:

[Reload belajarpython.pythonanywhere.com](#)

Best before date:

We're happy to host your free website – and keep it free – for as long as you want to keep it running, but you'll need to log in at least once every three months and click the "Run until 3 months from today" button below. We'll send you an email a week before the site is disabled so that you don't forget to do that. [See here for more details](#).

This site will be disabled on **Monday 21 February 2022**

[Run until 3 months from today](#)

Paying users' sites stay up forever without any need to log in to keep them running.

Windows Taskbar: Type here to search, 30°C Kabut, 4:38 PM 11/21/2021

Web app setup: belajarpython : x | belajarpython.pythonanywhere.com : x | detikcom - Informasi Berita Terkini : x | +

Not secure | belajarpython.pythonanywhere.com

Hello from Flask!

Windows Taskbar: Type here to search, 30°C Kabut, 5:03 PM 11/21/2021

Warning You have not confirmed your email address yet. This means that you will not be able to reset your password if you lose it. If you cannot find your confirmation email anymore, send yourself a new one [here](#).

/home/ belajarpython

Open Bash console here 0% full – 76.0 KB of your 512.0 MB quota [More Info](#)

Directories

Enter new directory name [New directory](#)

.local/
mysite/

Files

Enter new file name, eg hello.py [New file](#)

.bashrc	2021-11-21 09:55	559 bytes
.gitconfig	2021-11-21 09:55	266 bytes
.profile	2021-11-21 09:55	79 bytes
.pythonstartup.py	2021-11-21 09:55	77 bytes
.vimrc	2021-11-21 09:55	4.6 KB
README.txt	2021-11-21 09:55	232 bytes

[Upload a file](#)
100MiB maximum size

Warning You have not confirmed your email address yet. This means that you will not be able to reset your password if you lose it. If you cannot find your confirmation email anymore, send yourself a new one [here](#).

/home/belajarpython/ mysite

Open Bash console here 0% full – 76.0 KB of your 512.0 MB quota [More Info](#)

Directories

Enter new directory name [New directory](#)

__pycache__/

Files

Enter new file name, eg hello.py [New file](#)

flask_app.py	2021-11-21 09:58	186 bytes
--------------	------------------	-----------

[Upload a file](#)
100MiB maximum size

flask_app.py : /home/belajarpyth... x belajarpython.pythonanywhere.c... x detikcom - Informasi Berita Terki... x +

www.pythonanywhere.com/user/belajarpython/files/home/belajarpython/mysite/flask_app.py?edit

/home/belajarpython/mysite/flask_app.py (unsaved changes) Keyboard shortcuts: Normal Share Save Save as... >>> Run

```
1
2 # A very simple Flask Hello World app for you to get started with...
3
4 from flask import Flask
5
6 app = Flask(__name__)
7
8 @app.route('/')
9 def hello_world():
10     return 'Hello Nim Nama mahasiswa Unisbank belajar Flask!'
11
12
```

>>> Run this file \$ Bash console here

Type here to search 30°C Kabut 5:05 PM 11/21/2021

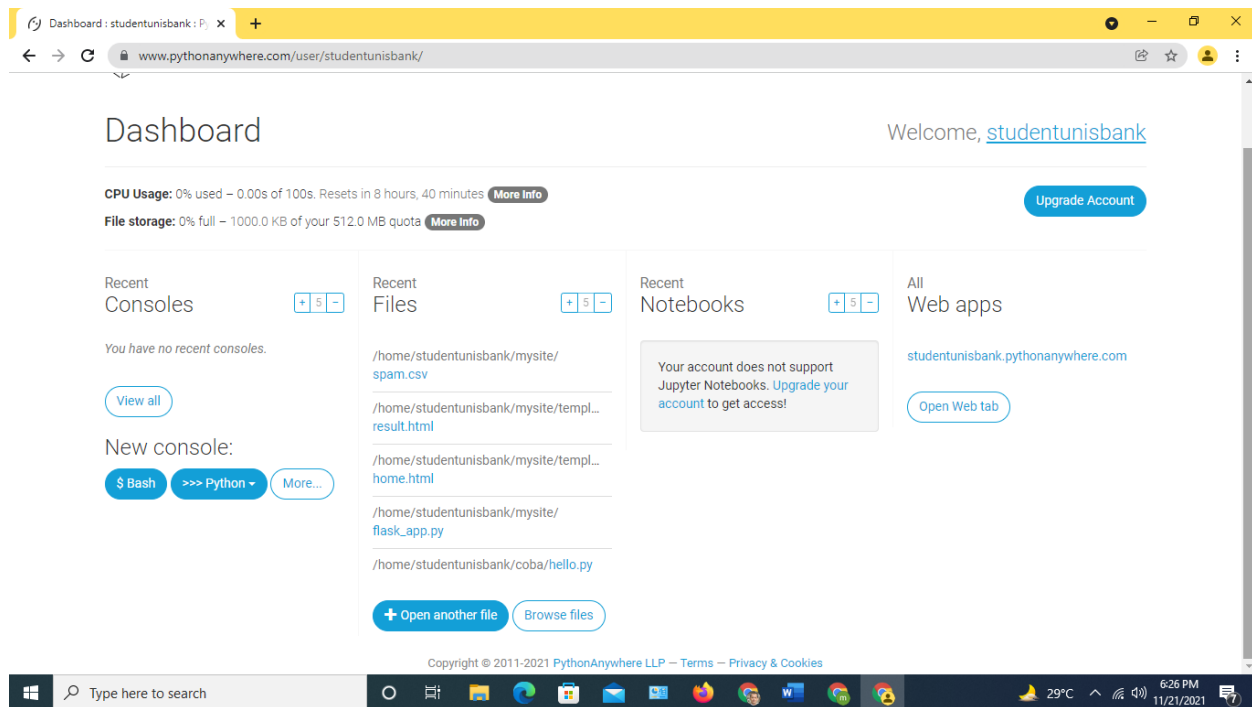
flask_app.py : /home/belajarpyth... x belajarpython.pythonanywhere.c... x detikcom - Informasi Berita Terki... x +

Not secure | belajarpython.pythonanywhere.com

Hello Nim Nama mahasiswa Unisbank belajar Flask!

Type here to search 30°C Kabut 5:05 PM 11/21/2021

<http://studentunisbank.pythonanywhere.com/>



/home/studentunisbank/mysite/flask_app.py

```
from flask import Flask, render_template, url_for, request
import pandas as pd
import pickle
from sklearn.feature_extraction.text import CountVectorizer
from sklearn.naive_bayes import MultinomialNB
from sklearn.externals import joblib

app = Flask(__name__)

@app.route('/')
def home():
    return render_template('home.html')

@app.route('/predict', methods=['POST'])
def predict():
    df = pd.read_csv('/home/studentunisbank/mysite/spam.csv')
    df.drop(['Unnamed: 2', 'Unnamed: 3', 'Unnamed: 4'], axis=1, inplace=True)
    df['label'] = df['class'].map({'ham': 0, 'spam': 1})
    y = df['label']

    # Features and Labels
    X = df['message']
    cv = CountVectorizer()
    X = cv.fit_transform(X)

    # Fit the Data
    # Extract Feature With CountVectorizer
    from sklearn.model_selection import train_test_split
```

```

X_train, X_test, y_train, y_test = train_test_split(X, y, test_size=0.33, random_state=42)
    #Naive Bayes Classifier
clf = MultinomialNB()
clf.fit(X_train,y_train)
clf.score(X_test,y_test)
    #Alternative Usage of Saved Model
    # joblib.dump(clf, 'NB_spam_model.pkl')
    # NB_spam_model = open('NB_spam_model.pkl','rb')
    # clf = joblib.load(NB_spam_model)

if request.method == 'POST':
    message = request.form['message']
    data = [message]
    vect = cv.transform(data).toarray()
    my_prediction = clf.predict(vect)
return render_template('result.html',prediction = my_prediction)

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

```

</home/studentunisbank/mysite/templates/home.html>

```

<!DOCTYPE html>
<html>
<head>
    <title> Welcome </title>
    <link rel="stylesheet" type="text/css" href="/static/style.css">
</head>
<body>

    <header>
        <div class="container">
            <div id="brandname">
                Machine Learning App with Flask
            </div>
            <h2>Spam Detector For SMS Messages</h2>

        </div>
    </header>

    <div class="ml-container">

        <form action="{{ url_for('predict')}}" method="POST">
            <p>Enter Your Message Here</p>
            <!-- <input type="text" name="comment"/> -->
            <textarea name="message" rows="4" cols="50"></textarea>
            <br/>

            <input type="submit" class="btn-info" value="predict">

```

```
</form>
```

```
</div>
```

</home/studentunisbank/mysite/templates/result.html>

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
    <title></title>
```

```
    <link rel="stylesheet" type="text/css" href="/static/style.css">
```

```
</head>
```

```
<body>
```

```
    <header>
```

```
        <div class="container">
```

```
            <div id="brandname">
```

```
                ML App
```

```
            </div>
```

```
            <h2>Spam Detector For SMS Messages</h2>
```

```
        </div>
```

```
    </header>
```

```
    <p style="color:blue;font-size:20;text-align: center;"><b>Results for Comment</b></p>
```

```
    <div class="results">
```

```
        {% if prediction == 1%}
```

```
        <h2 style="color:red;">Spam</h2>
```

```
        {% elif prediction == 0%}
```

```
        <h2 style="color:blue;">Not a Spam (It is a Ham)</h2>
```

```
        {% endif %}
```

```
    </div>
```

```
<a href="http://studentunisbank.pythonanywhere.com/">Back</a>
```

```
</body>
```

```
</html>
```

</home/studentunisbank/style/style.css>

```
body{
```

```
    font:15px/1.5 Arial, Helvetica,sans-serif;
```

```
    padding: 0px;
```

```
    background-color:#f4f3f3;
```

```
}
```

```
.container{
```

```
    width:100%;
```

```
    margin: auto;
```

```
    overflow: hidden;
```

```
}
```

```

header{
    background:#03A9F4;#35434a;
    border-bottom:#448AFF 3px solid;
    height:120px;
    width:100%;
    padding-top:30px;
}

.main-header{
    text-align:center;
    background-color: blue;
    height:100px;
    width:100%;
    margin:0px;
}

#brandname{
    float:left;
    font-size:30px;
    color: #fff;
    margin: 10px;
}

header h2{
    text-align:center;
    color:#fff;
}

.btn-info {background-color: #2196F3;
    height:40px;
    width:100px;} /* Blue */
.btn-info:hover {background: #0b7dda;}

.resultss{
    border-radius: 15px 50px;
    background: #345fe4;
    padding: 20px;
    width: 200px;
    height: 150px;
}

```