

The screenshot displays the IBM Watson Studio web interface. At the top, there's a navigation bar with the IBM logo and various icons. Below it, a breadcrumb trail shows "Projects / Web phishing detection / Web Phishing". The main workspace area contains a Jupyter Notebook with the following Python code:

```
In [11]: import regeX
from tldextract import extract
import ssl
import socket
from bs4 import BeautifulSoup
import urllib.request
import datetime
import requests
import re

def having_IPhiving_IP_Address(url):
    match=regeX.search(
        ((([01]?\\d{1,2}[0-4]\\d{2}[0-5])\\.([01]?\\d{1,2}[0-4]\\d{2}[0-5])\\.([01]?\\d{1,2}[0-4]\\d{2}[0-5])\\.([01]?\\d{1,2})\\.((0x[0-9a-fA-F]{1,2})\\.((0x[0-9a-fA-F]{1,2})\\.((0x[0-9a-fA-F]{1,2})\\.((0x[0-9a-fA-F]{1,2})\\|\\.|(?:[a-fA-F0-9]{1,4}):){7])[a-fA-F0-9]{1,4}),url)

    if match:
        print match.group()
        return -1
    else:
        print 'No matching pattern found'
        return 1

===

Check for the URL length. Return 1 (Legitimate) if the URL length is less than 54 characters
Return 0 if the length is between 54 and 75
Else return -1

===

def URLURL_Length(url):
    length=len(url)
    if length<=54:
```

```
In [ ]: from flask import Flask, request, jsonify, render_template
import pickle
import numpy as np
import pandas
import inputsript

app = flask(__name__)
model = pickle.load(open('Phishing_Website.pkl', 'rb'))

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

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

ans = ""
bns = ""

@app.route('/result_processing_function', methods=['POST', 'GET'])
def v_predict():
    url = request.form['url']
    checkprediction = inputsript.main(url)
    prediction = model.predict(checkprediction)
    print(prediction)
    outputsprediction[0]
    if(output==1):
        pred="You are safe!! This is a legitimate Website."
        return render_template('website.html',bns=1)
    else:
        pred="You are on the wrong site. Be cautious!"
        return render_template('website.html',ans=1)

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