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TRAIN ML MODEL ON IBM CLOUD:

The screenshot displays the IBM Watson Studio environment. At the top, there's a navigation bar with "Web Phishing - IBM Watson Studio" and various icons. Below it, a breadcrumb trail shows "Projects / Web phishing detection / Web Phishing". The main workspace 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_IPhaving_IP_Address(url):
    match=regeX.search(
        '((([01]?[0-9]{1,2}|2[0-4]|25[0-5])\\.){0,1}[01]?[0-9]{1,2}|2[0-4]|25[0-5])\\.|' +
        '(((0x[0-9-a-f-A-F]{1,2})\\.){0,3}(0x[0-9-a-f-A-F]{1,2})|((0x[0-9-a-f-A-F]{1,2})\\.){0,3}' +
        '(?:[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>=75:
```

On the right side, there's a sidebar titled "Data" with two tabs: "Files" and "Connections". Under "Files", several files are listed with "Insert to code" buttons:

- dataset_website.csv
- inputsript.py
- phishing_website.pkl
- website.html
- welcomepage.html

```
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 _predict():
    url = request.form['url']
    checkprediction = inputsript.main(url)
    prediction = model.predict(checkprediction)
    print(prediction)
    outputsprediction[0]
    if(output==1):
        preds="You are safe!! This is a legitimate Website."
        return render_template('website.html',bns=anspred)

    else:
        preds="You are on the wrong site. Be cautious!"
        return render_template('website.html',ans=anspred)

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