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In [10]: from sklearn.externals import joblib
import numpy as np
import pandas as pd
from flask import Flask, jsonify, request
import gunicorn

import warnings
warnings.filterwarnings('ignore')
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In [11]: app = Flask(__name__)

@app.route("/")
def hello():
    return "Hoilaaaaaaaaa!"

@app.route('/predict', methods=['POST'])
def apicall():
    try:
        test_json = request.get_json()
        val = []
        for dic in test_json:
            row = []
            row.append(dic['sepal_length'])
            row.append(dic['sepal_width'])
            row.append(dic['petal_length'])
            row.append(dic['petal_width'])
            val.append(row)

        #Load model
        loaded_model = joblib.load('model/iris_svm_model.pkl')
        y_pred = loaded_model.predict(np.array(val))
        pred_dict = {}
        for i,pred in enumerate(y_pred):
            pred_dict['prediction_'+str(i)] = int(pred)
        responses = jsonify(predictions=pred_dict)
        responses.status_code = 200
    except Exception as e:
        responses = jsonify(predictions={'error':'some error occurred, please try again later'})
        responses.status_code = 404

    return (responses)
```

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In [ ]:
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