Team ID	PNT2022TMID52708
Project Name	Early Detection Of Chronic Kidney Disease Using Machine Learning Algorithms

Integrate Flask With Scoring End Points

```
import flask
import numpy as np
import pandas as pd
from flask import Flask, request, render_template, url_for, session, redirect
import pickle
from flask_mysqldb import MySQL
import MySQLdb.cursors
import re

import requests
API_KEY = "0_HBSpdG-lQimCMKdA8WhsPoIAIvtjAtLI2FUetE_8uo"
token_response = requests.post('https://iam.cloud.ibm.com/identity/token', data={"apikey":
 API_KEY, "grant_type": 'urn:ibm:params:oauth:grant-type:apikey'})
mltoken = token_response.json()["access_token"]
header = {'Content-Type': 'application/json', 'Authorization': 'Bearer ' + mltoken}

app = flask.Flask(__name__,static_folder='')
model = pickle.load(open('./CKD.pkl','rb'))
decision_model=pickle.load(open('./DTCKD.pkl','rb'))
app.secret_key = '123'
```

```python
@app.route('/dtcpredict', methods=['POST','GET'])
def dtcpredict():
    input_features = [float(x) for x in request.form.values()]
    features_value = [np.array(input_features)]
    #features_name = ['red_blood_cells', 'pus_cell', 'blood_glucose_random', 'blood_urea','pedal_edema','anemia','diabetes_mellitus','coron
    payload_scoring = {"input_data": [{"field": ['red_blood_cells', 'pus_cell', 'blood_glucose_random', 'blood_urea','pedal_edema','anemia'
    response_scoring = requests.post('https://us-south.ml.cloud.ibm.com/ml/v4/deployments/7e7b41e2-50ea-4e93-8aff-d2bfa34cddc3/predictions?
headers={'Authorization': 'Bearer ' + mltoken})
    output=response_scoring.json()['predictions'][0]['values'][0][0]
    print(output)
  # output = decision_model.predict(df)
    if(output==0):
        text="Oops! You are detected with Chronic Kidney Disease."
    else:
        text="Hurray! You are not affected by Chronic Kidney Disease"
    return render_template('result.html',prediction_text=text,output=output)
```