import json  
import boto3

# Define the SageMaker runtime  
sagemaker\_runtime = boto3.client('sagemaker-runtime')

def lambda\_handler(event, context):  
    # Parse the JSON data from the request body  
    print(event)  
    values = json.loads(event['body'])  
    print(values)  
    response = sagemaker\_runtime.invoke\_endpoint(  
        EndpointName='Custom-sklearn-model-2024-04-09-14-10-56', # Replace with your SageMaker endpoint  
        ContentType='application/json',  
        Body=json.dumps([values]) # Adjust the structure to match your model's expected input  
    )  
    print(response)  
    print ("response\_payload: {}".format(response))  
    t = response['Body']  
    j = t.read()  
    print (j)  
  
    # Create a response object with CORS headers  
    return {  
        'statusCode': 200,  
        'headers': {  
            'Access-Control-Allow-Origin': '\*',  # Allow requests from all domains  
            'Access-Control-Allow-Headers': 'Content-Type',  # Allow Content-Type header  
            'Access-Control-Allow-Methods': 'OPTIONS,POST'  # Allow OPTIONS and POST methods  
        },  
        'body': j  # Send the SageMaker response back to the client  
    }