CODE lambda:

// Import the AWS SDK

const AWS = require('aws-sdk');

// Create a DynamoDB document client

const docClient = new AWS.DynamoDB.DocumentClient();

// Define the Lambda handler function

exports.handler = async (event, context) => {

try {

// Extract the data from the event object

const { name, tx1, tx2 } = event;

// Calculate the average of the two numbers

const average = (parseFloat(tx1) + parseFloat(tx2)) / 2;

// Store the current time in a variable

const now = new Date().toISOString();

// Create a DynamoDB put operation to save the data and time

const params = {

TableName: 'student',

Item: {

ID: average.toString(),

Name: name,

TX1: parseFloat(tx1),

TX2: parseFloat(tx2),

Average: average,

LatestUpdateTime: now

}

};

// Save the data and time to the DynamoDB table

await docClient.put(params).promise();

// Return the result as a response

return {

statusCode: 200,

body: JSON.stringify(`The average is ${average}`)

};

} catch (error) {

// Handle any errors and return an error response

return {

statusCode: 500,

body: JSON.stringify('An error occurred')

};

}

};