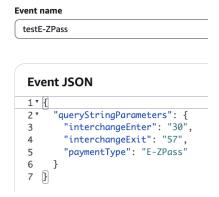
<u>Get Toll Function</u> w/ API Gateway endpoint + Lambda Layer for MySQL database in EC2 instance and also RDS service

```
exports.handler = async (event) => [{
      console.log(event); // Let's take a quick look at what is passed in "event"
     // Create the string that the Lambda function will return.
     var MySQL = require('sync-mysql');
var connection = new MySQL ({
          host: 'tup84910.cdim6m6mwkbu.us-east-1.rds.amazonaws.com', user: 'admin',
          password: 'opensesame',
database: 'tollschedule'
     });
     //var eventBodyInJSONFormat = Object.fromEntries(new URLSearchParams(event.body));
//var paymentType = eventBodyInJSONFormat.paymentType;
//var interchangeEnter = eventBodyInJSONFormat.interchangeEnter;
     //var interchangeExit = eventBodyInJSONFormat.interchangeExit;
     const interchangeEnter = event.queryStringParameters.interchangeEnter;
const interchangeExit = event.queryStringParameters.interchangeExit;
     const paymentType = event.queryStringParameters.paymentType;
     if (paymentType == "E-ZPass") {
            var query = `
SELECT toll
                FROM ezpasstollschedule
               WHERE interchangeEnter = ?
AND interchangeExit = ?
          var result = connection.query(query, [interchangeEnter, interchangeExit]);
var toll = result[0].toll.toFixed(2);
          var valueToReturn = {Toll : `$${toll} `};
console.log(`User chose ${paymentType} as their payment choice, and their toll is ${toll} `);
      else {
           var query = `
SELECT toll
                 FROM tollbyplatetollschedule
                 WHERE interchangeEnter = ?
                 AND interchangeExit = ?
           var result = connection.query(query, [interchangeEnter, interchangeExit]);
           var toll = result[0].toll.toFixed(2);
           var valueToReturn = {Toll : ` $${toll} ` };
console.log(` User chose Toll by Plate as their payment choice, and their toll is ${toll} `);
     // Create the response object that will inculde the status code, the headers needed by CORS, and // the string to be returned formatted as a JSON data structure.
      const response = {
           statusCode: 200.
           headers: {
                                                                             // Required headers for CORS (cross-origin resource sharing).
                  'Access-Control-Allow-Origin': '*', // This just means content on a web page can come from a 'Access-Control-Allow-Credentials': true // domain other than the domain of that page.
            body: JSON.stringify(valueToReturn),
      };
      // Return the response object
      return response;
3;
```

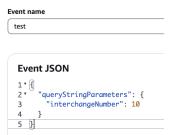
Example test event



, Toll by Plate is another test event

GetInterchange Function w/ API Gateway endpoint + Lambda layer

Example Test event



(only 1 test event since we invoke it twice for getting on and

getting off in the html)

for HTML, see TollCalculator2.html