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1  /*
2      Author: Naman Arora
3      Date  : 03/12/2020
4  */
5
6  // initialize global variables
7  let currentDate = null;
8  let lastDate = null;
9  let timeSinceLast = 0;
10 let totalInvocations = 0;
11 let averageGap = 0;
12 let totalGaps = 0;
13
14 // initialize global response
15 let response_json = {
16     ThisInvocation: "",
17     TimeSinceLast: "",
18     TotalInvocationsOnThisContainer: "",
19     AverageGapBetweenInvocations: ""
20 };
21
22 exports.handler = async (event) => {
23     // initialize current date
24     currentDate = new Date();
25
26     try {
27         // check if reset called
28         // do things accordingly
29         if (event.queryStringParameters["cmd"] == "RESET") {
30             // change response
31             response_json = {
32                 ThisInvocation: ""
33             };
34             // reset others
35             lastDate = currentDate;
36             timeSinceLast = 0;
37             totalInvocations = 0;
38             totalGaps = 0;
39         }
40     }
41     // if not reset
42     catch(err) {
43         if (totalInvocations == 0) {
44             // if this is the first call set last date to first only
45             lastDate = currentDate;
46         }
47
48         // calculate all parameters
49         timeSinceLast = (currentDate.getTime() - lastDate.getTime()) / 1000;
50         totalGaps += timeSinceLast;
51         totalInvocations++;
52         averageGap = totalGaps / totalInvocations;
53         lastDate = currentDate;
54     }
55 }
```

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56
57 // set the response
58 response_json.TimeSinceLast = timeSinceLast.toFixed(2);
59 response_json.TotalInvocationsOnThisContainer = totalInvocations;
60 response_json.AverageGapBetweenInvocations = averageGap.toFixed(2);
61 }
62
63 // only this will be returned if reset
64 response_json.ThisInvocation = currentDate;
65
66 // set the JSON response
67 const response = {
68     body: JSON.stringify(response_json)
69 };
70
71 return response;
72 };
```