

1. Cloud 9 editor with Assignment 3 – index.js file

tanejar-Assignment3

Throttle Qualifiers Actions Select a test event Test

File Edit Find View Go Tools Window Test Deploy

Environment

tanejar-Assignment3

index.js

```

1 let invList = []; //global dec
2
3 exports.handler = async (event) => {
4   let currTime = new Date().valueOf()/1000
5   invList.push(currTime);
6   let timeDifference = 0;
7   let avgGap = 0;
8
9   // trigger RESET when parameter is passed
10  if (event.queryStringParameters && event.queryStringParameters.cmd == 'RESET') {
11    invList = [];
12    return {
13      statusCode: 200,
14      body: JSON.stringify({ ThisInvocation: new Date().toISOString()})
15    };
16  }
17
18  // loop for updating time difference and gap
19  if (invList.length > 1) {
20    timeDifference = (currTime - invList[invList.length - 2]);
21    for (var i = 1; i < invList.length; i++) {
22      avgGap += invList[i] - invList[i - 1];
23    }
24    avgGap /= (invList.length - 1);
25  }
26
27  return {
28    statusCode: 200,
29    body: JSON.stringify({
30      ThisInvocation: new Date().toISOString(),
31      TimeSinceLast: timeDifference,
32      TotalInvocationsOnThisContainer: invList.length,
33      AverageGapBetweenInvocations: avgGap
34    })
35  };
36 };

```

2:1 JavaScript Spaces: 4

2. Interacting with the function API – retrieving invocations after multiple refresh

Workbench myFirstFunc - Lambda tanejar-Assignment3 - Lambda https://gcos6bi4e2.execute-api.us-east-1.amazonaws.com/default/tanejar-Assignment3

gcos6bi4e2.execute-api.us-east-1.amazonaws.com/default/tanejar-Assignment3

Apps Bookmarks College Forums Piracy Savings Career Gerudo Valley WebD 2.0 Course TCD Students Research Project

```

{
  "ThisInvocation": "2020-12-04T22:25:06.160Z",
  "TimeSinceLast": 2.2170000076293945,
  "TotalInvocationsOnThisContainer": 3,
  "AverageGapBetweenInvocations": 6.284000039100647
}

```

3. Performing RESET on the API

Workbench myFirstFunc - Lambda tanejar-Assignment3 - Lambda https://gcos6bi4e2.execute-api.us-east-1.amazonaws.com/default/tanejar-Assignment3?cmd=RESET

gcos6bi4e2.execute-api.us-east-1.amazonaws.com/default/tanejar-Assignment3?cmd=RESET

Apps Bookmarks College Forums Piracy Savings Career Gerudo Valley WebD 2.0 Course TCD Students Research Project Shifts | Microsoft Te...

```

{
  "ThisInvocation": "2020-12-04T22:29:06.675Z"
}

```

Note: Please spare the presentation of the assignment. This is the best I could get from WordPad. 😞