# API Usage

The code shown below is configured in AWS lambda then I have set up an AWS API Gateway to allow external access, because this is a serverless implementation its highly scaleable.

The python code used for the API test can be used to test again.

You can test the API by doing the following:

Send post request to:

<https://89tuws2rg3.execute-api.eu-west-2.amazonaws.com/APIGatewayLive/total>

with the following authentication:

User: g8nxbe7ct6

Password: SgKSotj4Ad3hPGfvPlZvI1KANRKKgGLn9p23swhw

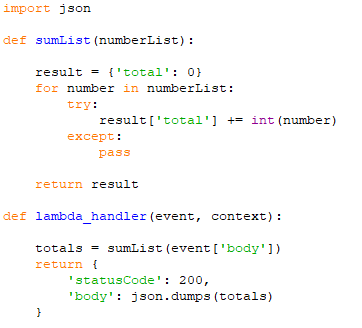
And with a data field set out like this:

{

‘body’:[<list of numbers>]

}

## Source Code



## Tests Via API

### Test (Python code)

import requests

r = requests.post("https://89tuws2rg3.execute-api.eu-west-2.amazonaws.com/APIGatewayLive/total",auth=("g8nxbe7ct6","SgKSotj4Ad3hPGfvPlZvI1KANRKKgGLn9p23swhw"), data={'body':[4,6,3,25,6]})

r = r.json()

print(r)

### Result

{u'total': 26}

## Lambda Tests

### Test 1

{

"body":[1,2,3,4,5]

}

### Result

Response:

{

"statusCode": 200,

"body": "{\"total\": 15}"

}

### Test 2

{

"body":[1,2,3,4,5,67,7,"a"]

}

### Result

{

"statusCode": 200,

"body": "{\"total\": 89}"

}