norMNfan /
hello-aws

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Fix syntax errors and parameter handling in app.py #23

⑂ **Open**   **norMNfan** wants to merge 1 commit into `main` from `bug-fix` 🗗

Conversation 0   **Commits** 1   **Checks** 0   **Files changed** 1

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∨ ✛ **14** ■■■■□ app.py 🗗

```
 4   4        def lambda_handler(event, context):
 5   5            try:
 6   6                # BUG 1: Misspelled 'param' name ('a' is required, but code looks for
                 'alpha')
 7     -              a = float(event["alpha"])  # should be 'a'
     7 +              a = float(event["a"])  # corrected from 'alpha' to 'a'
 8   8                b = float(event["b"])
 9   9                c = float(event["c"])
10  10
11  11                # BUG 2: No check for division by zero when 'a' is zero
    12 +              if a == 0:
    13 +                  return {
    14 +                      "statusCode": 400,
    15 +                      "body": json.dumps({"error": "Parameter 'a' cannot be zero."})
    16 +                  }
    17 +
12  18                discriminant = b**2 - 4*a*c
13  19
14  20                # BUG 3: Incorrectly checking for discriminant using assignment instead
                 of comparison
15     -              if discriminant = 0:  # should be '=='
    21 +              if discriminant == 0:  # corrected from '=' to '=='
16  22                    root = -b / (2*a)
17  23                    return {
18  24                        "statusCode": 200,
37  43                # BUG 4: Not formatting the exception string properly
38  44                return {
39  45                    "statusCode": 400,
```

```
40         –             "body": json.dumps({"error": "Missing parameter: " + e})  # should
                      use str(e)
      46   +             "body": json.dumps({"error": "Missing parameter: " + str(e)})  #
                      corrected to use str(e)
41    47             }
42    48         except Exception as e:
43    49             return {
44    50                 "statusCode": 500,
45    51                 "body": json.dumps({"error": f"Unexpected error: {str(e)}"})
46         –             }
      52   +             }
```