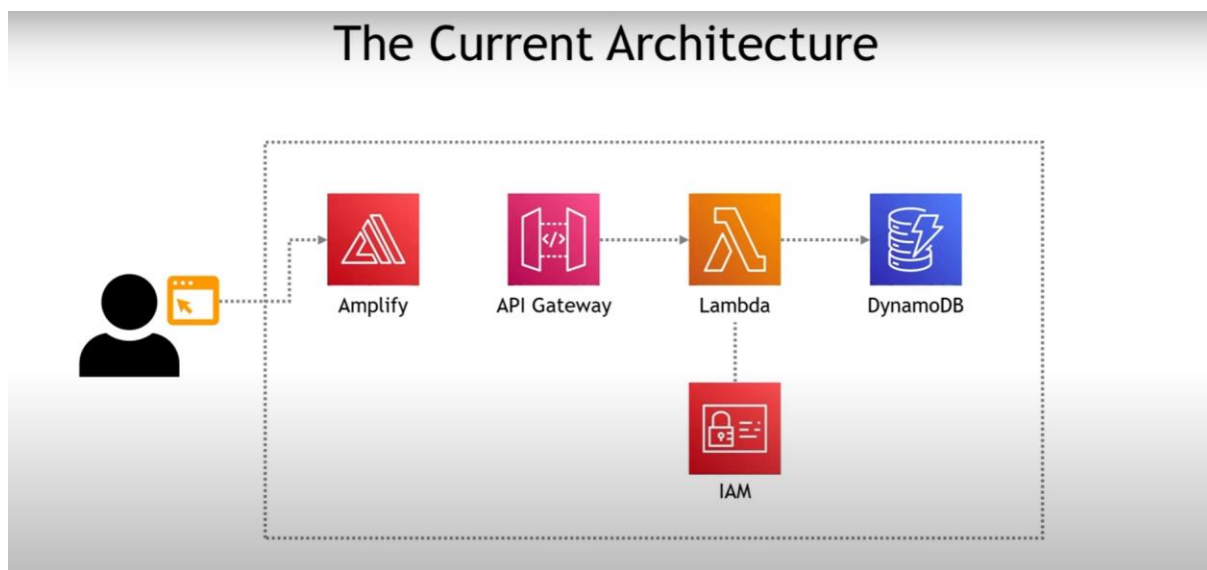


AWS Project - Architect and Build an End-to-End AWS Web Application

Overview:

In this project we are going to deploy web application which include The Power of Math function using Lambda function based on the following Architecture.



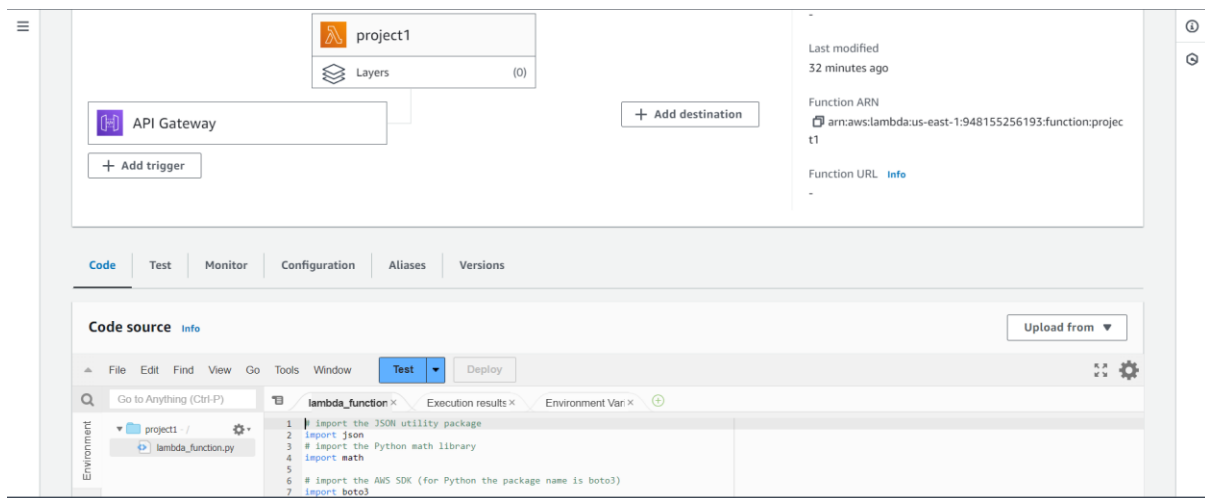
Steps:

1. Create AWS Amplify test our code

The screenshot shows the AWS Amplify console interface. On the left is a sidebar with navigation options: 'All apps' (with 'project1' selected), 'App settings' (with sub-options like General, Amplify Studio settings, Domain management, Notifications, Access control, Monitoring, Rewrites and redirects, Custom headers), 'Documentation', and 'Support'. The main content area is for 'project1' and shows the 'Hosting environments' tab. It displays a 'dev' environment with a deployment status of 'Deployment successfully completed.' and a progress bar at 100%. Below this, the domain is listed as <https://dev.d538rzy85j9yb.amplifyapp.com> and the last deployment time is '26/12/2023, 22:53:03'. An 'Add environment' button is visible in the top right of the main content area.

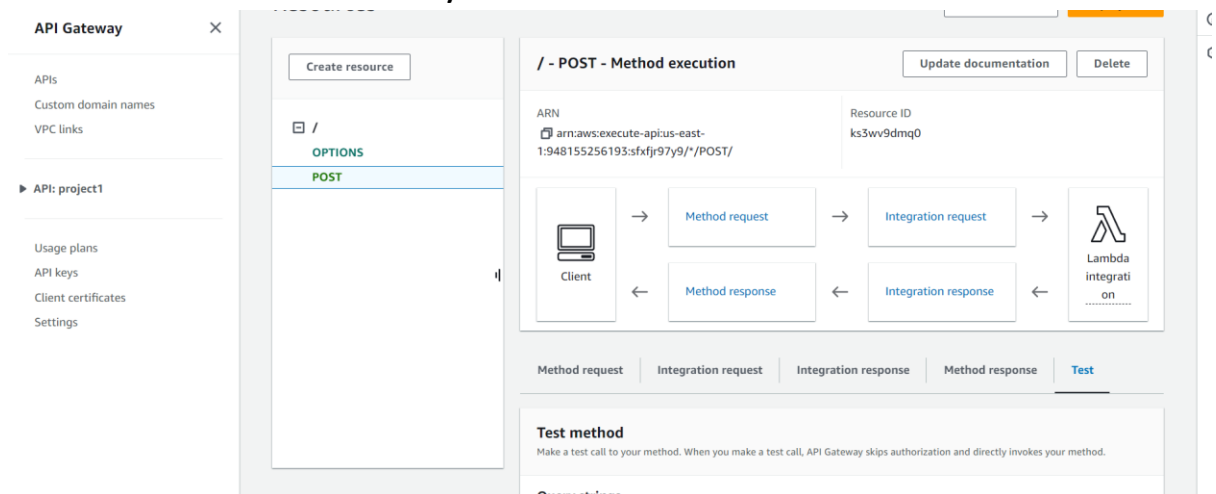
To the Power of Math!

2. Creating & Deploying code into AWS Lambda Functions

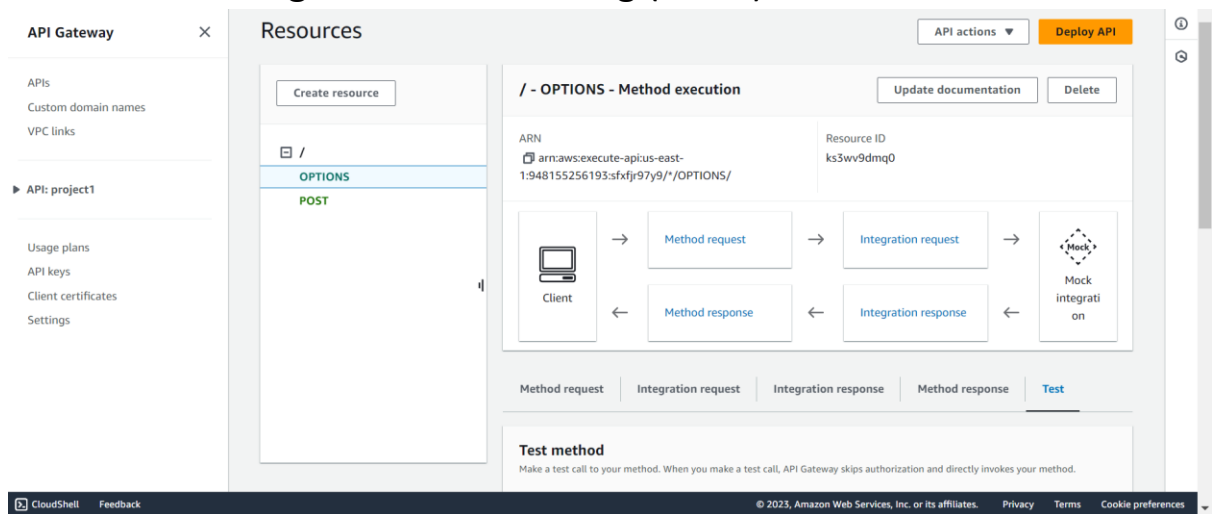


➔ Initiated the code test using configure test event

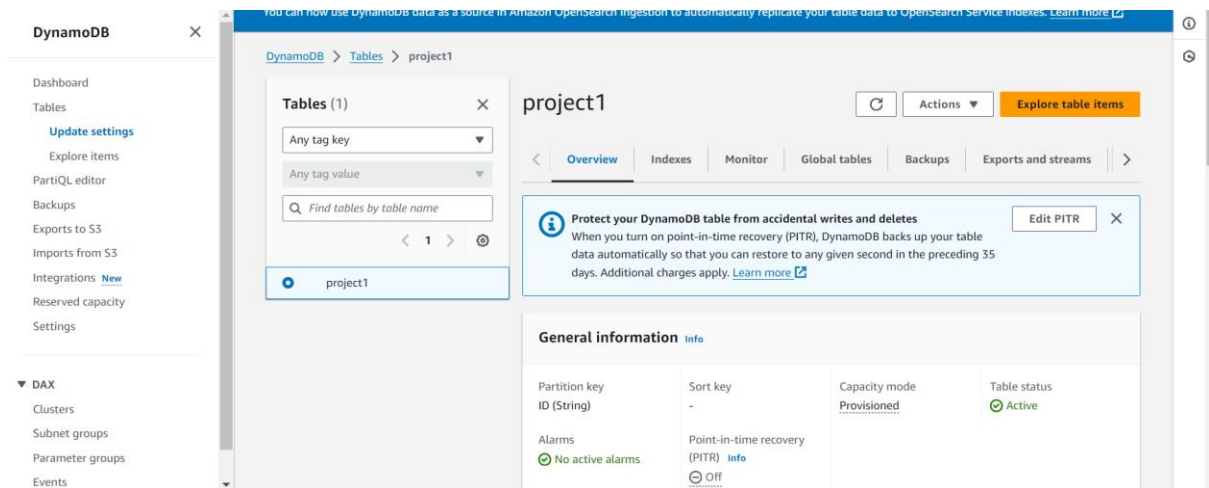
3. Created AWS API Gateway



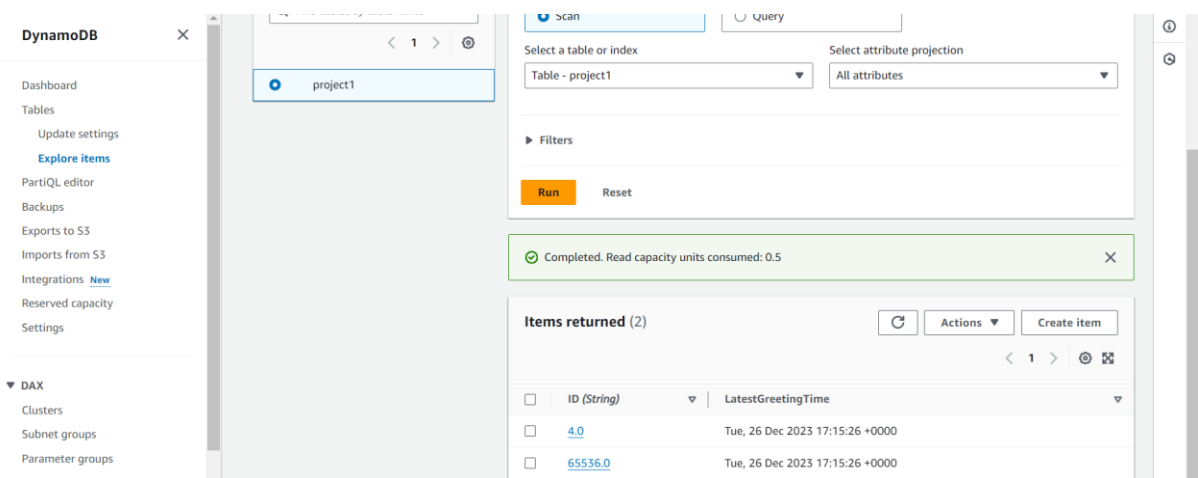
➔ Enable Cross-origin resource sharing (CORS)



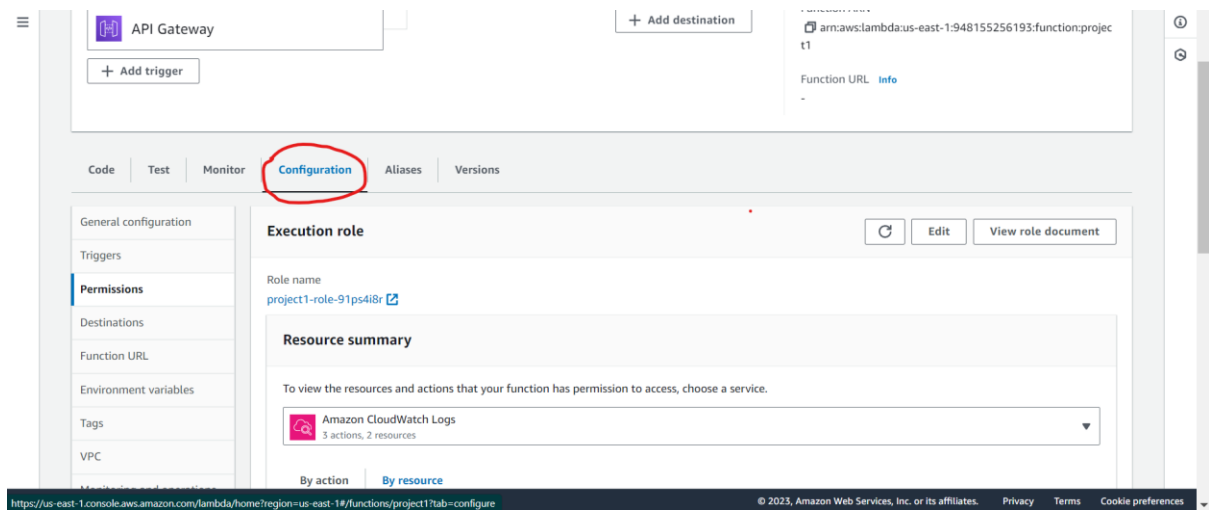
4. Created Dynamo DB to store the generated values



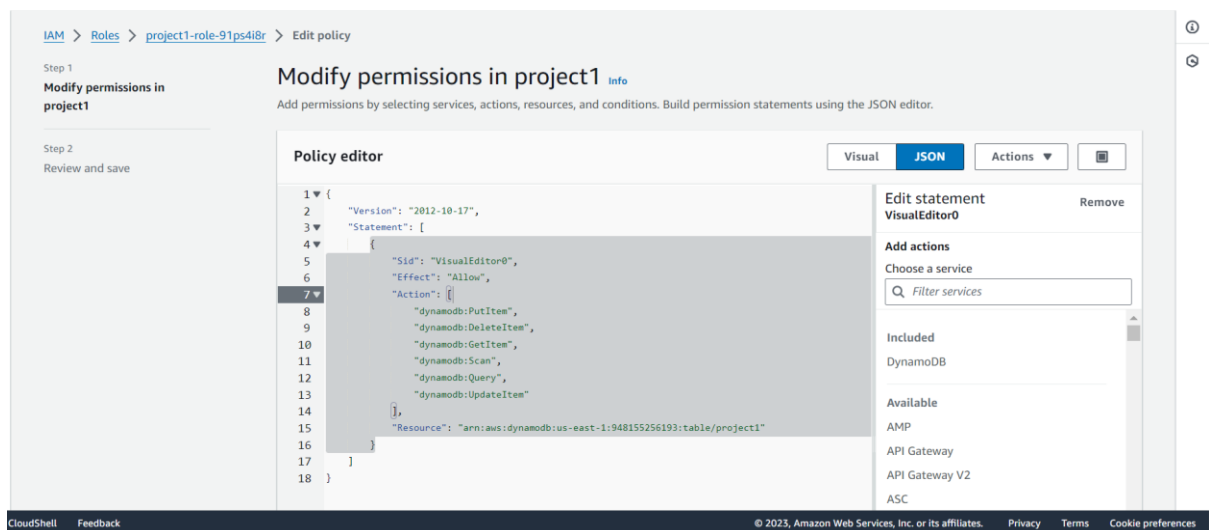
Returned Values



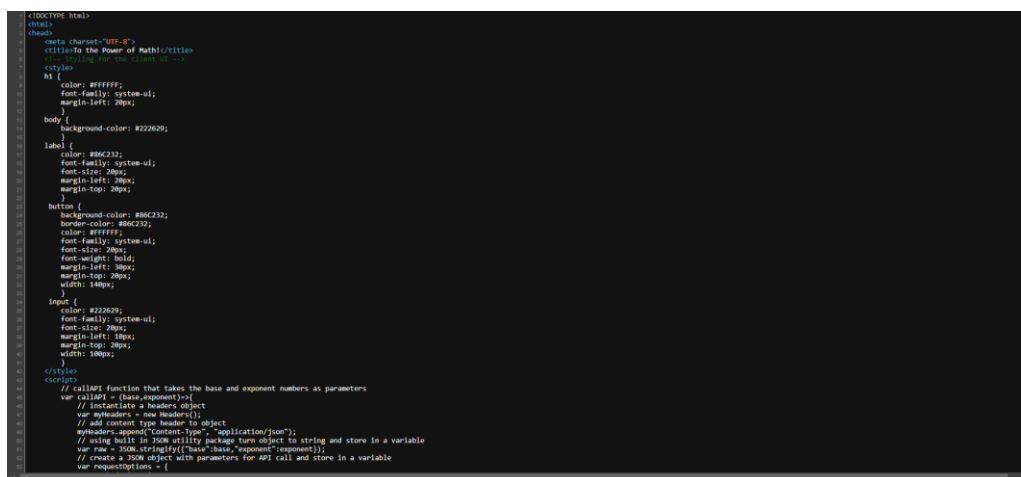
➔ Giving Lambda permission to write to the DynamoDB table



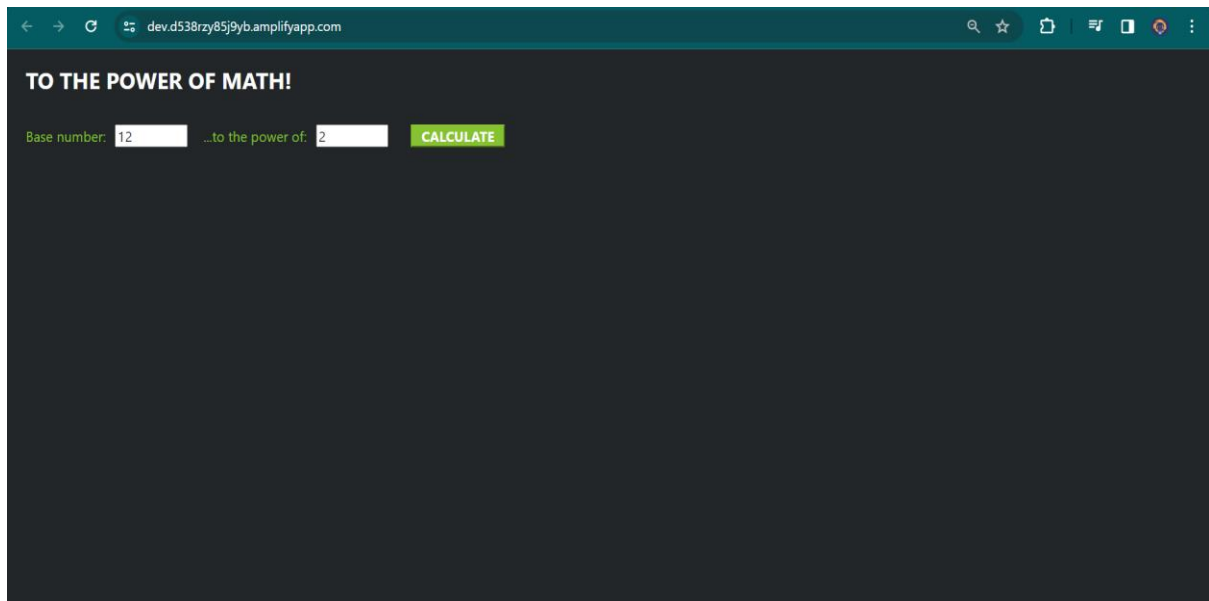
➔ IAM Roles



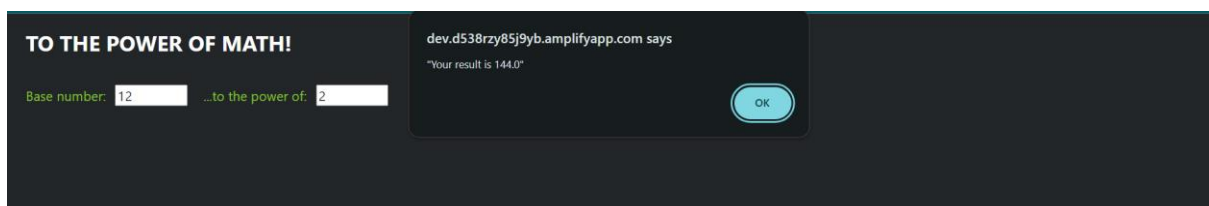
5. Now we are Replacing the actual code into AWS Amplify



➔ After replacing the code, we can access the web application.



O/P



Returned Values

