PROJECT TITLE: DEVELOP ALEXA SKILL FOR COVID-19 RECOMMENDATIONS

INTRODUCTION:

COVID-19 is an infectious disease caused by a newly discovered strain of coronavirus, a type of virus known to cause respiratory infections in humans. To develop Alexa Skill for COVID-19 recommendations.

OVERVIEW:

We used Alexa Developer, Dynamo DB, Lambda, API Gateway, IAM Management Console in AWS. We created tables using Dynamo DB this is embedded with Lambda. In lambda we can write the code to insert the data in the table. The IAM is used for security purposes, identity management. It has set of permission for making AWS service request. The API gateway is between the lambda and user interface, it generates the url which is the frontend. Thus, the final output is got from the Alexa Developer.

PURPOSE:

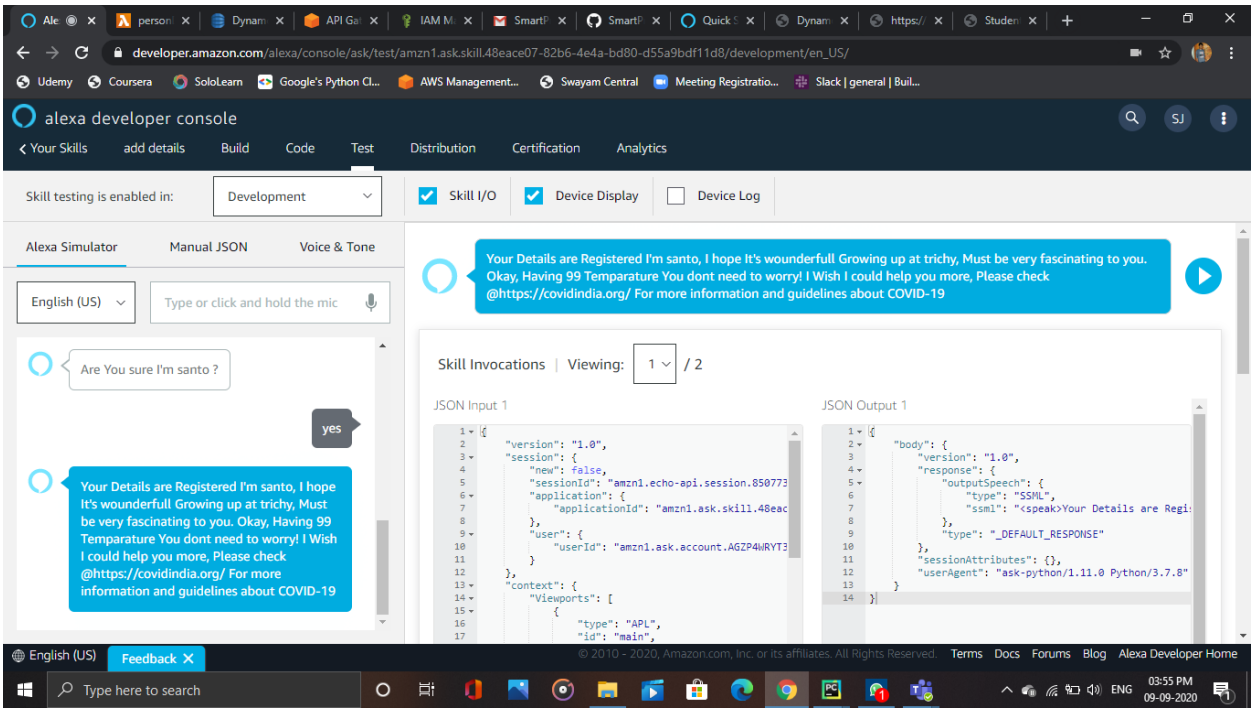
Alexa is a Virtual Assistant. It provides us suggestions such as to do our regular exercise, meditations, maintain a healthy diet, create conditions for a better sleep during nights, wash our hands regularly, take necessary sanitary measures and provides additional information about the spread of disease, climatic conditions in our area.

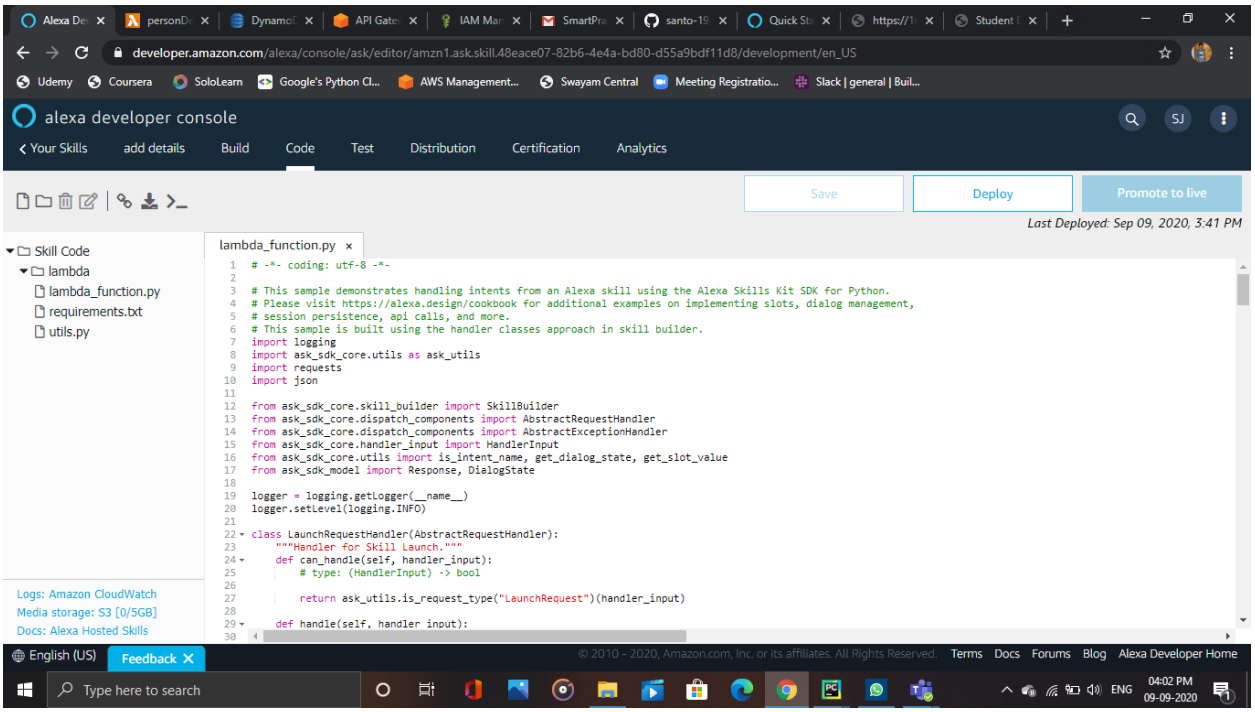
APPLICATIONS:

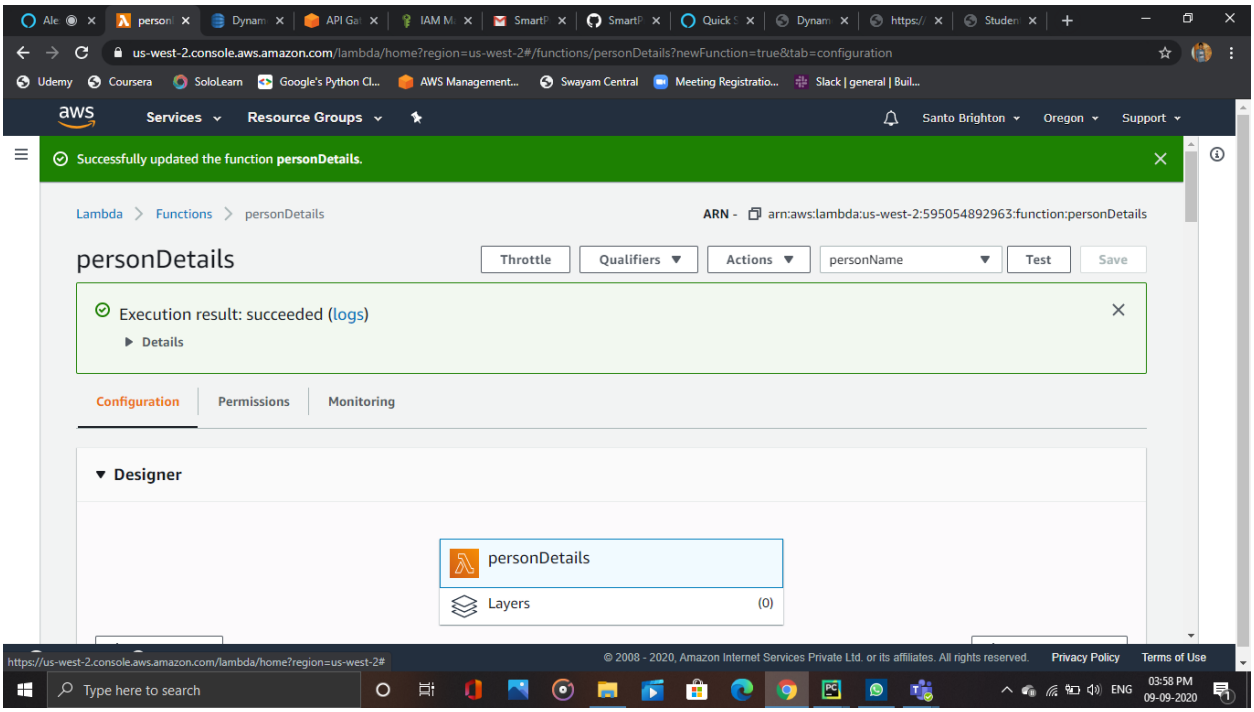
It is used to get suggestions from Alexa Echo for COVID-19 recommendations to keep ourselves safe from the pandemic and get more information about our surroundings and to make us to fight against the disease.

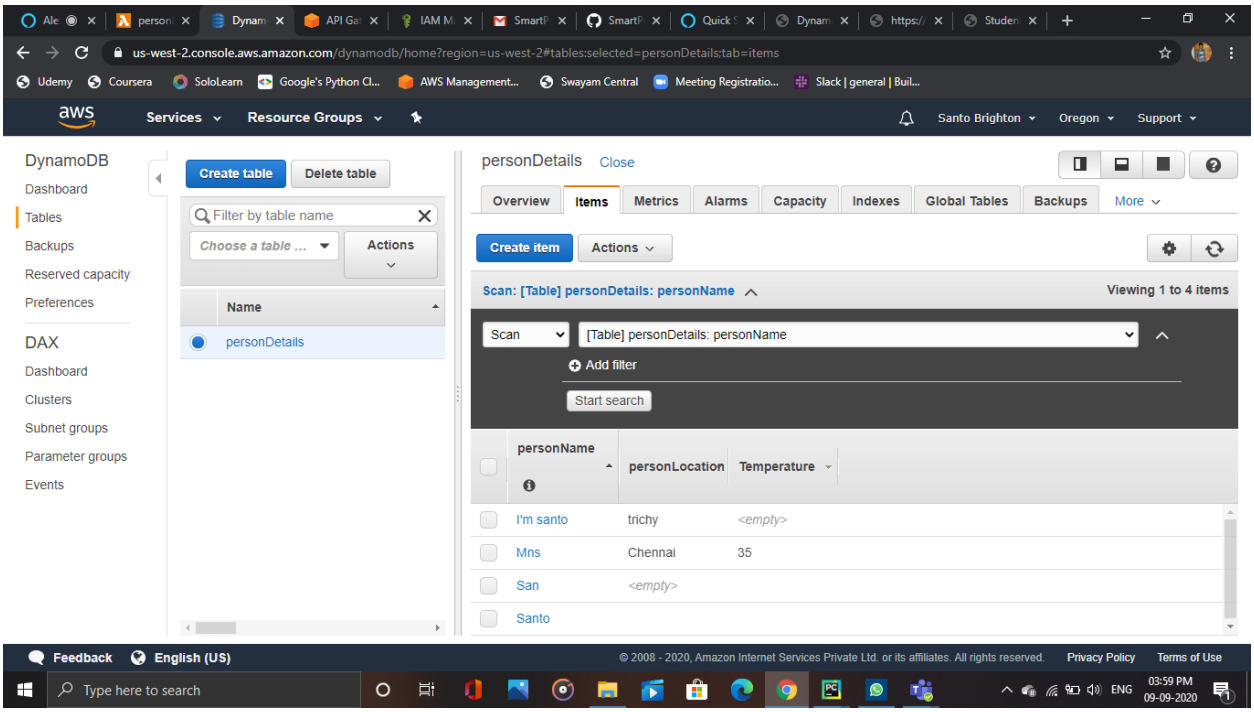
RESULT:

SCREENSHOTS OF OUTPUT






Successfully updated the function personDetails.
Lambda > Functions > personDetails
ARN - arn:aws:lambda:us-west-2:595054892963:function:personDetails
personDetails
Throttle
Qualifiers
Actions
personName
Test
Save
Execution result: succeeded (logs)
Details
Configuration
Permissions
Monitoring
Designer
personDetails
Layers
(0)


DynamoDB
Dashboard
Tables
Backups
Reserved capacity
Preferences
DAX
Dashboard
Clusters
Subnet groups
Parameter groups
Events
Create table
Delete table
Filter by table name
Choose a table ...
Actions
Name
personDetails
personDetails
Close
Overview
Items
Metrics
Alarms
Capacity
Indexes
Global Tables
Backups
More
Create item
Actions
Scan: [Table] personDetails: personName
Viewing 1 to 4 items
Scan
[Table] personDetails: personName
Add filter
Start search
personName
personLocation
Temperature
I'm santo
trichy
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Mns
Chennai
35
San
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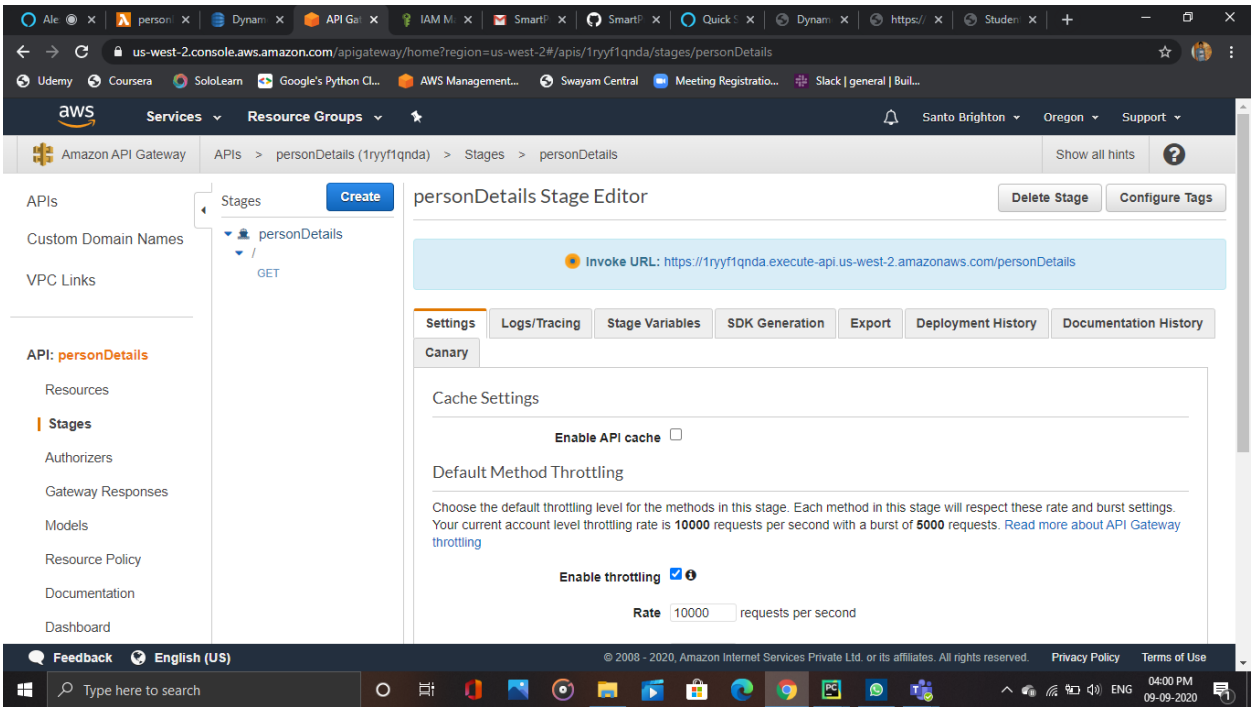
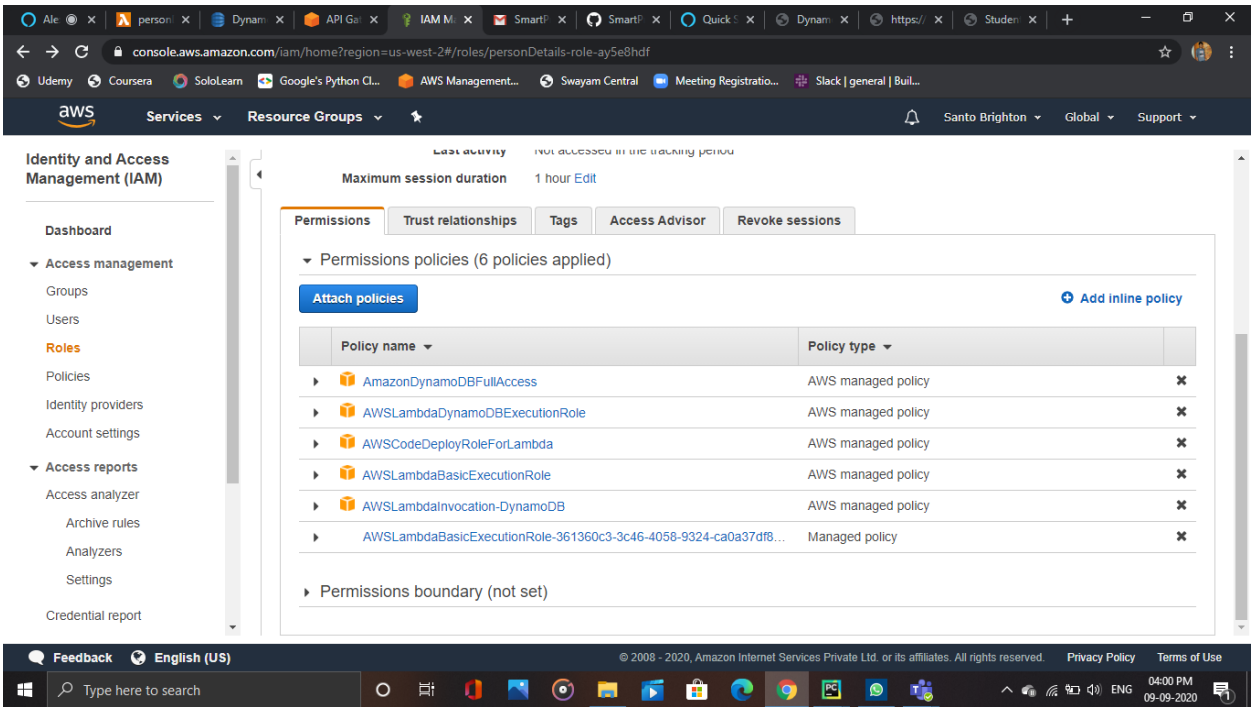
Santo





CONCLUSION:

Thus, we developed a Alexa SKill Developer using Amazon Developer for COVID-19 for social distancing.

FUTURE SCOPE:

Alexa will provide the advice on symptoms, causes, suggestions and help us to stay safe from the COVID-19 pandemic.