



# **Dhirubhai Ambani** **University** Technology

Formerly DA-IICT

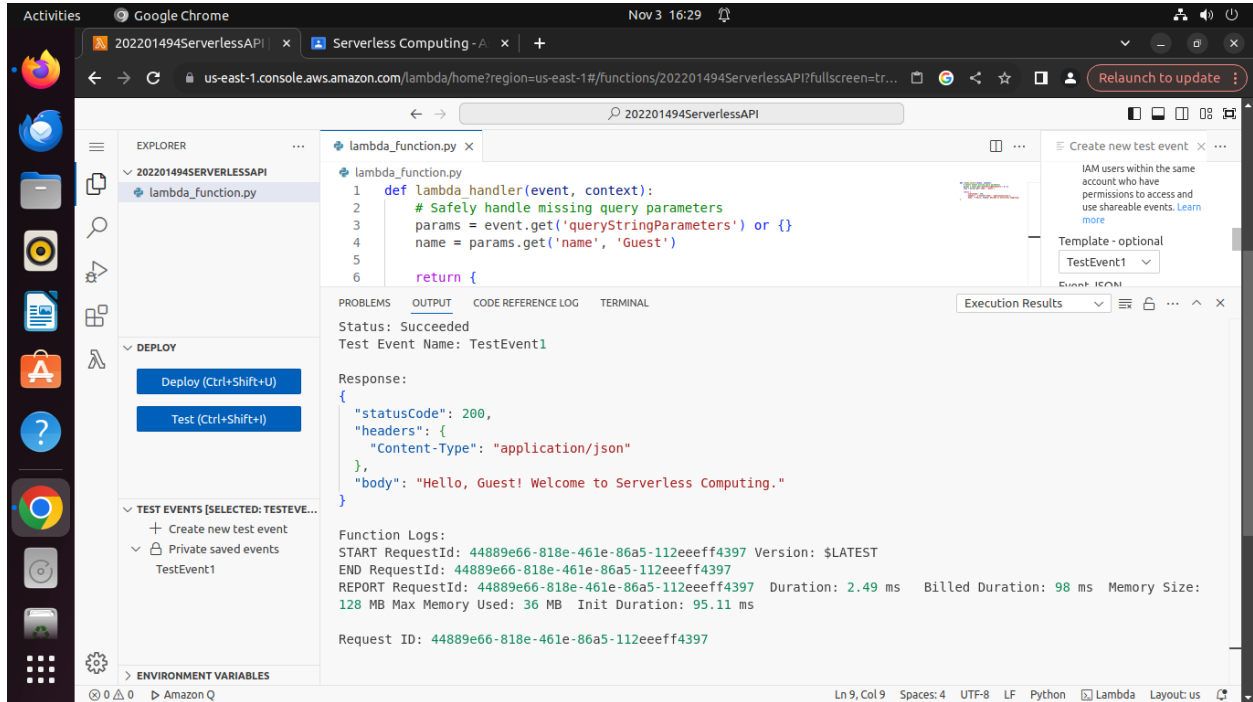
**IT457 Cloud Computing**

## **Assignment - Introduction to Serverless Computing using AWS Lambda**

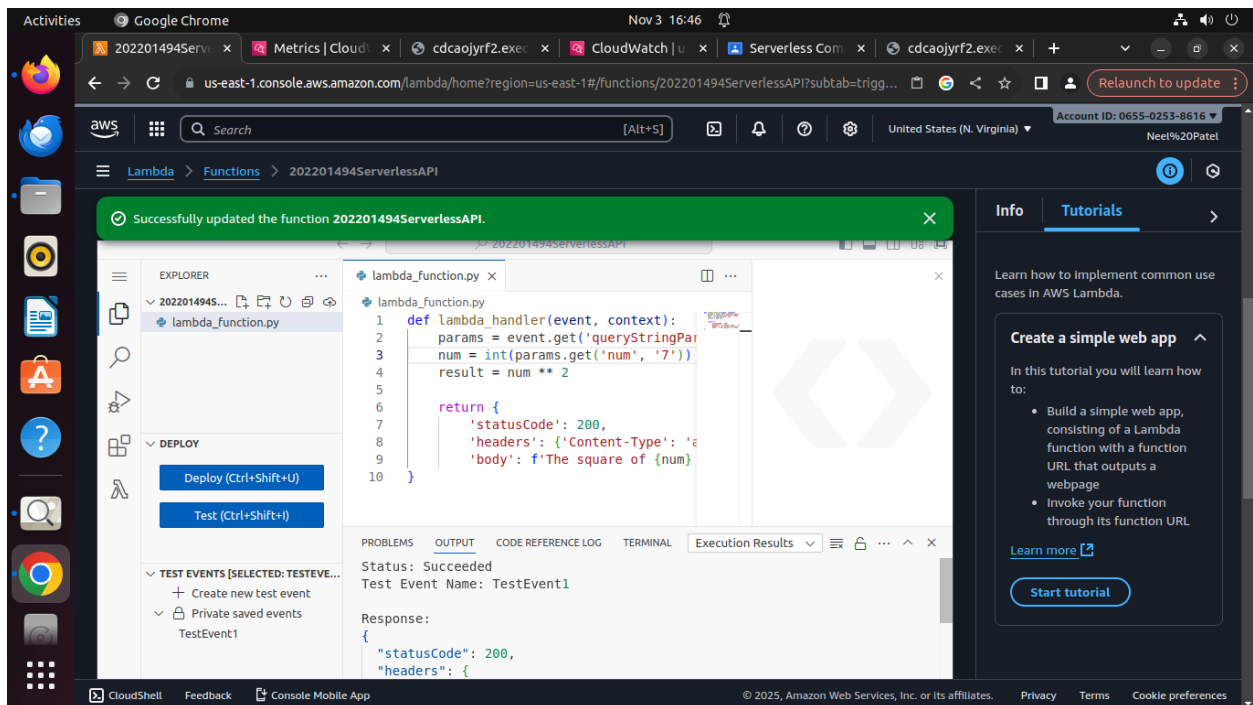
### **Group 5**

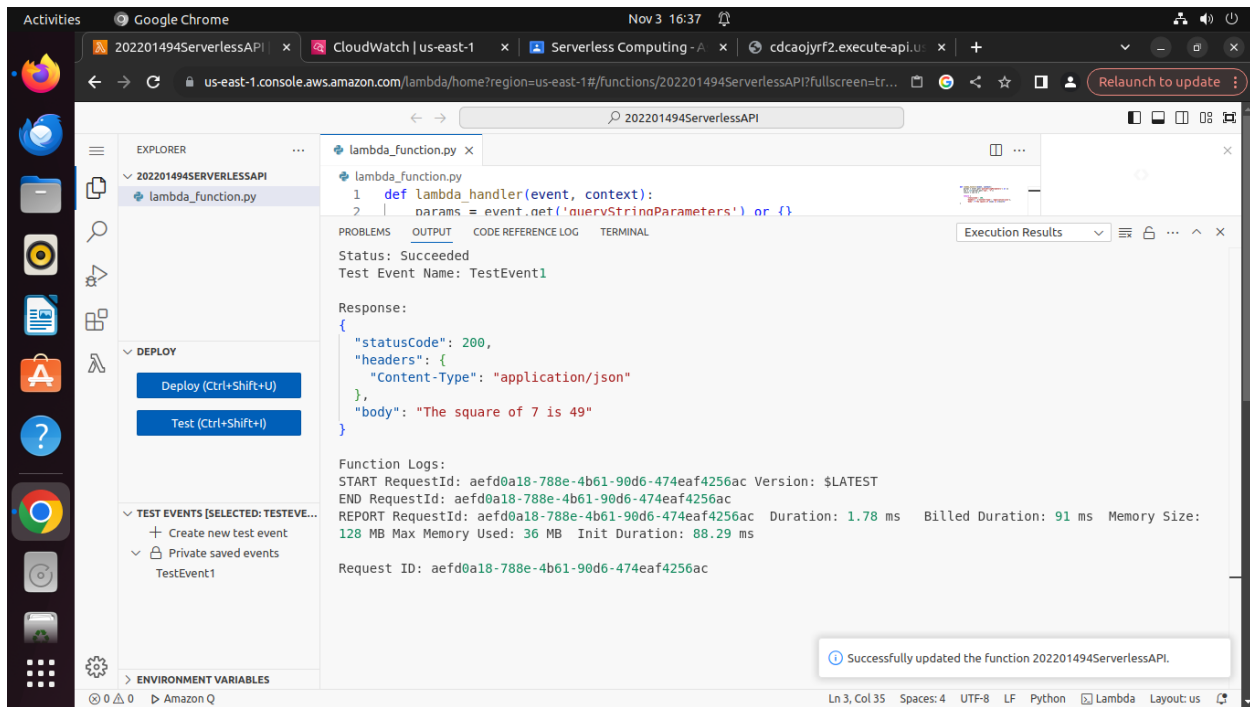
<b>Name</b>	<b>Student ID</b>
Sneh Joshi	202201048
Sahil Chaudhari	202201171
Kshitij Patel	202201232
Neel Patel	202201494

## Lambda function code



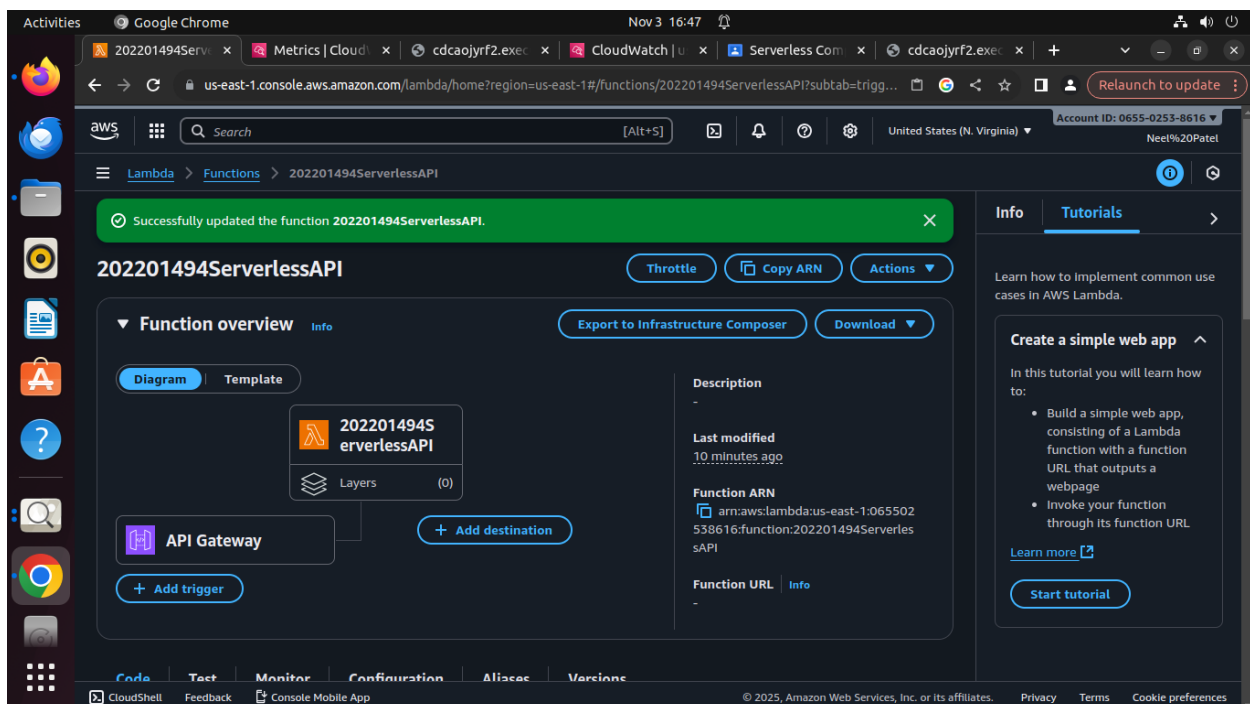
## calculating the square of a number based on user input



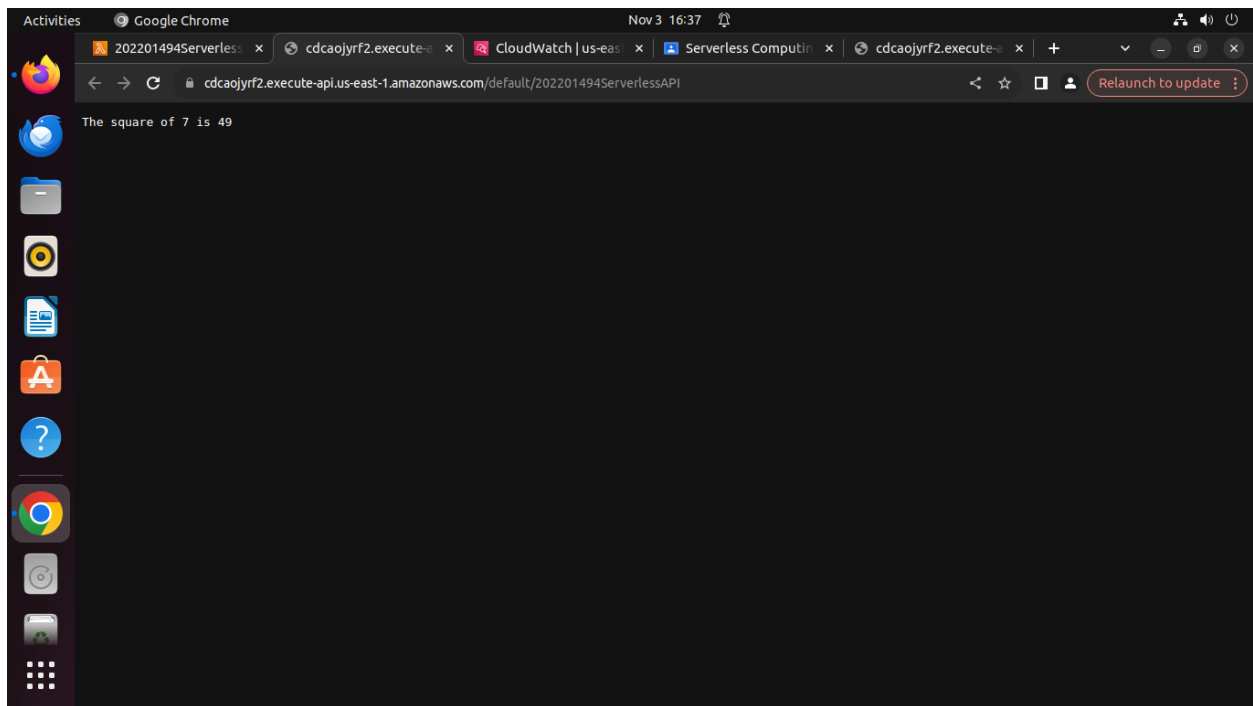
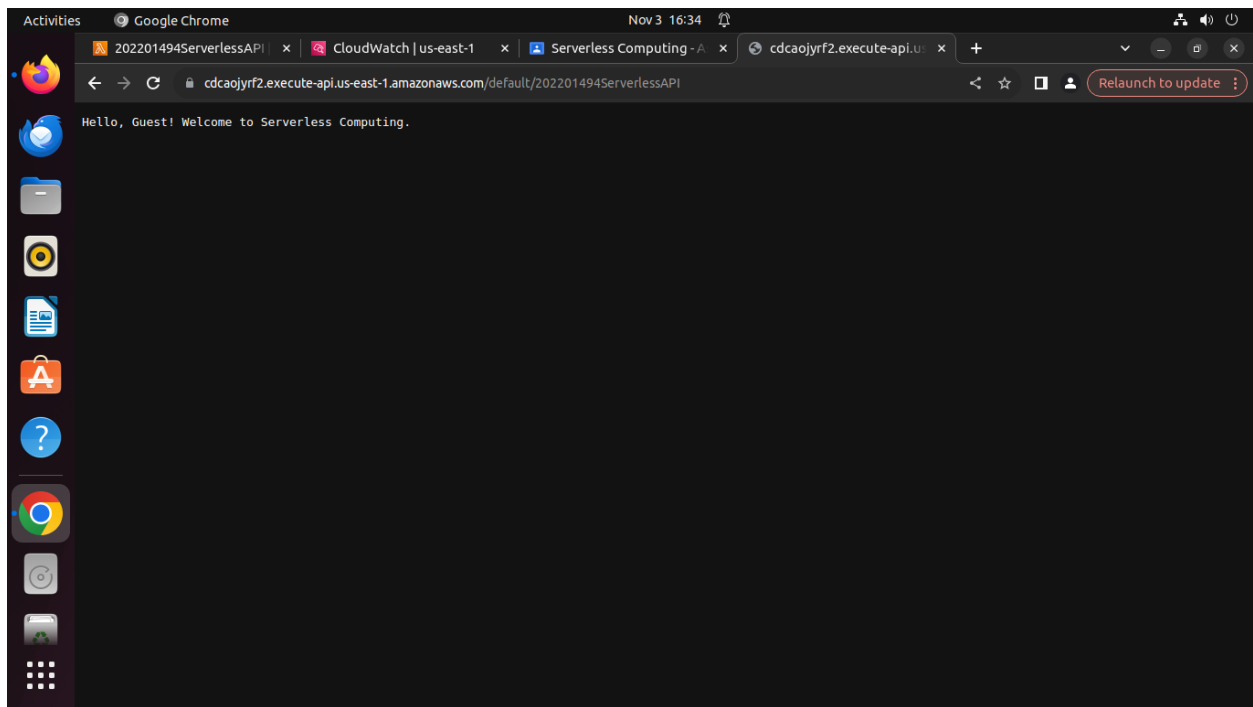


## API Gateway execution/output screenshot

### API Gateway



## Browser Result



# CloudWatch monitoring screenshots

## Logs Insights

The screenshot shows the AWS CloudWatch Logs Insights console. The left sidebar contains navigation links for CloudWatch, Favorites and recents, Dashboards, AI Operations, Alarms, Logs, Metrics, Application Signals (APM), and GenAI Observability. The main content area is titled 'Logs Insights' and shows a query for logs from the Lambda function '202201494ServerlessAPI'. The query is: `1 fields @timestamp, @message, @logStream, @log`  
`2 | sort @timestamp desc`  
`3 | limit 10000`. The 'Run query' button is highlighted. The right sidebar shows 'Discovered fields' and 'About field indexes'.

## Log Group

The screenshot shows the AWS CloudWatch Log Groups console. The left sidebar contains navigation links for CloudWatch, Favorites and recents, Dashboards, AI Operations, Alarms, Logs, Metrics, Application Signals (APM), and GenAI Observability. The main content area is titled 'Log group details' for the log group '/aws/lambda/202201494ServerlessAPI'. The details include: Log class (Standard), ARN (arn:aws:logs:us-east-1:065502538616:log-group:/aws/lambda/202201494ServerlessAPI), Creation time (5 minutes ago), Retention (Never expire), Stored bytes, Metric filters (0), Subscription filters (0), Contributor Insights rules (0), KMS key ID (0), Anomaly detection (Configure), Data protection (0), Sensitive data count (0), Custom field indexes (Configure), and Transformer (Configure).

## Cloud Watch -> Metrix

(Logs / Invocations / Duration/ Errors)

