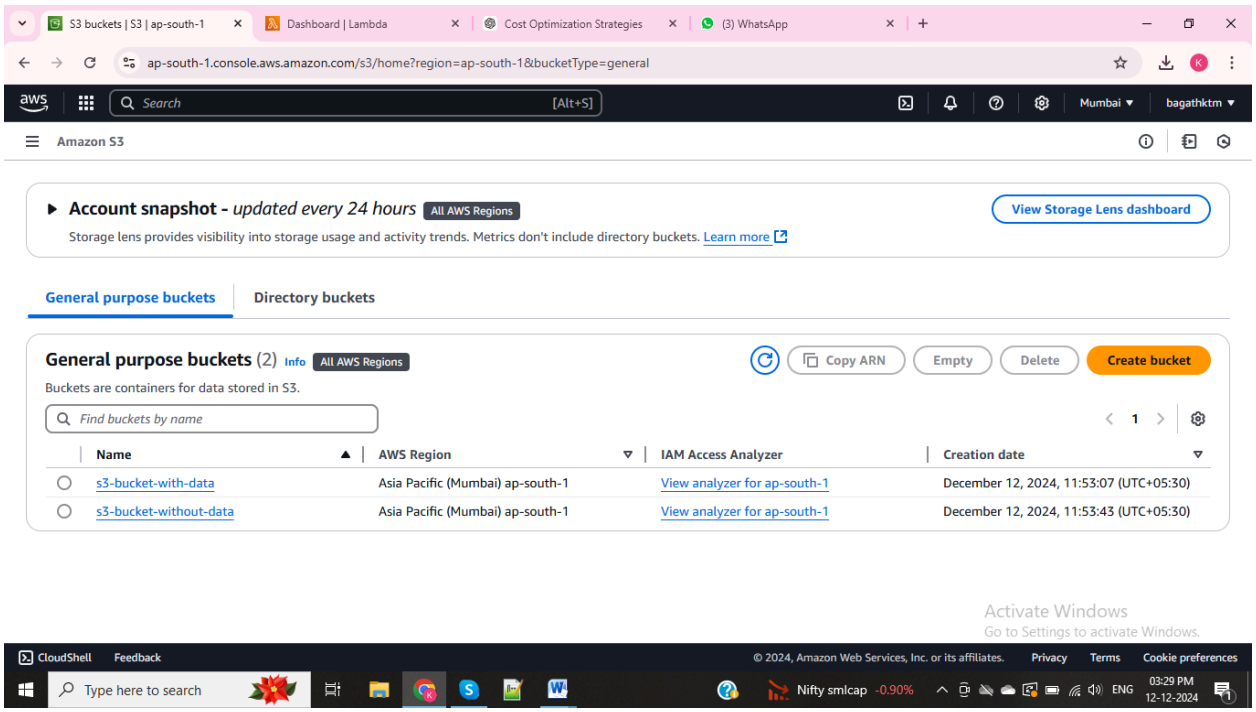
AWS - USING LAMBDA FUNCTION DELETING THE EMPTY S3 BUCKET

AWS Lambda is a **serverless compute service** provided by Amazon Web Services (AWS). It allows you to run code without provisioning or managing servers. Lambda automatically scales based on the workload, and you only pay for the compute time used.

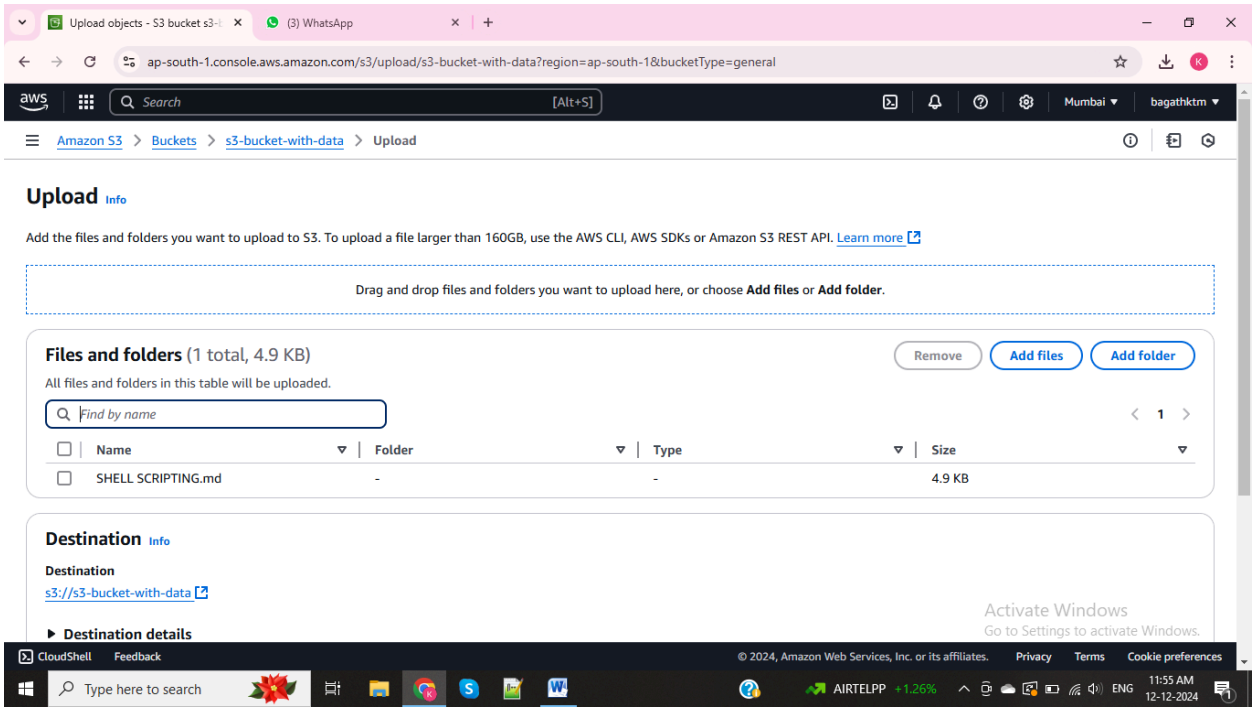
Key Features of AWS Lambda:

1. **Serverless**: No need to manage infrastructure; AWS handles server management.
2. **Event-Driven**: Executes code in response to events (e.g., HTTP requests, S3 events, DynamoDB updates).
3. **Cost-Effective**: Billed based on the number of requests and execution time.
4. **Automatic Scaling**: Scales automatically to handle varying workloads.

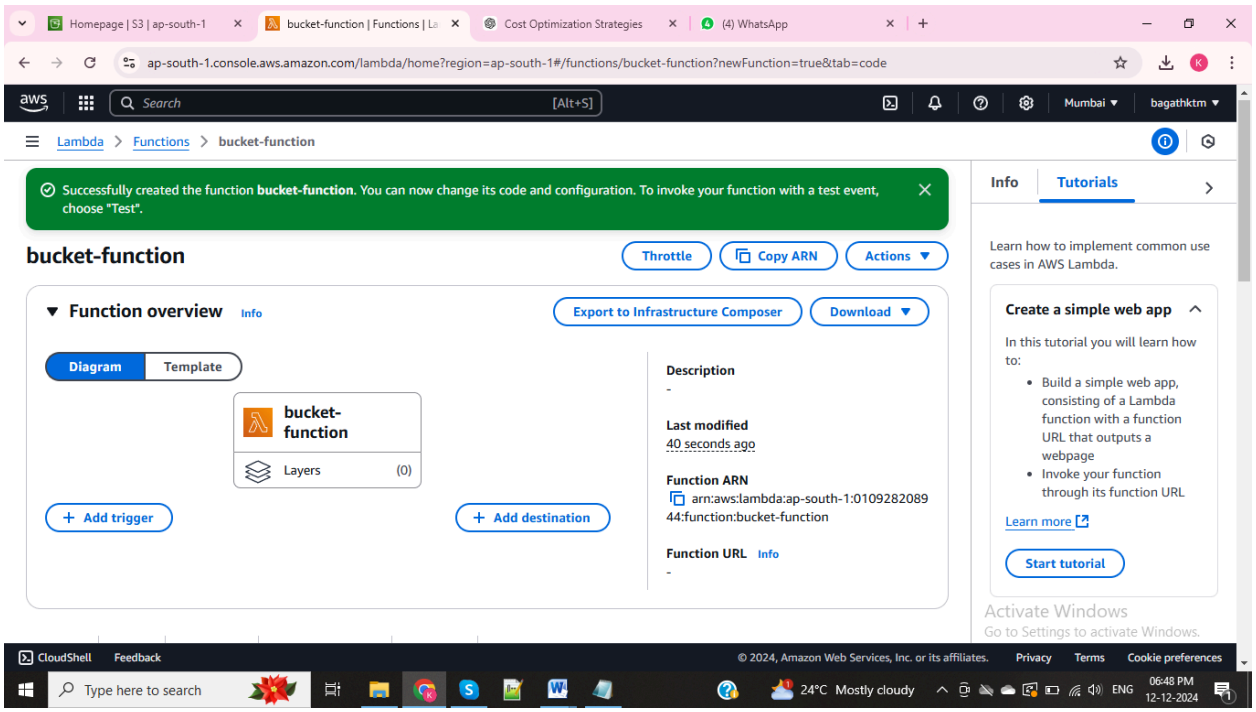
Created two buckets are s3 bucket with data and s3 bucket without data



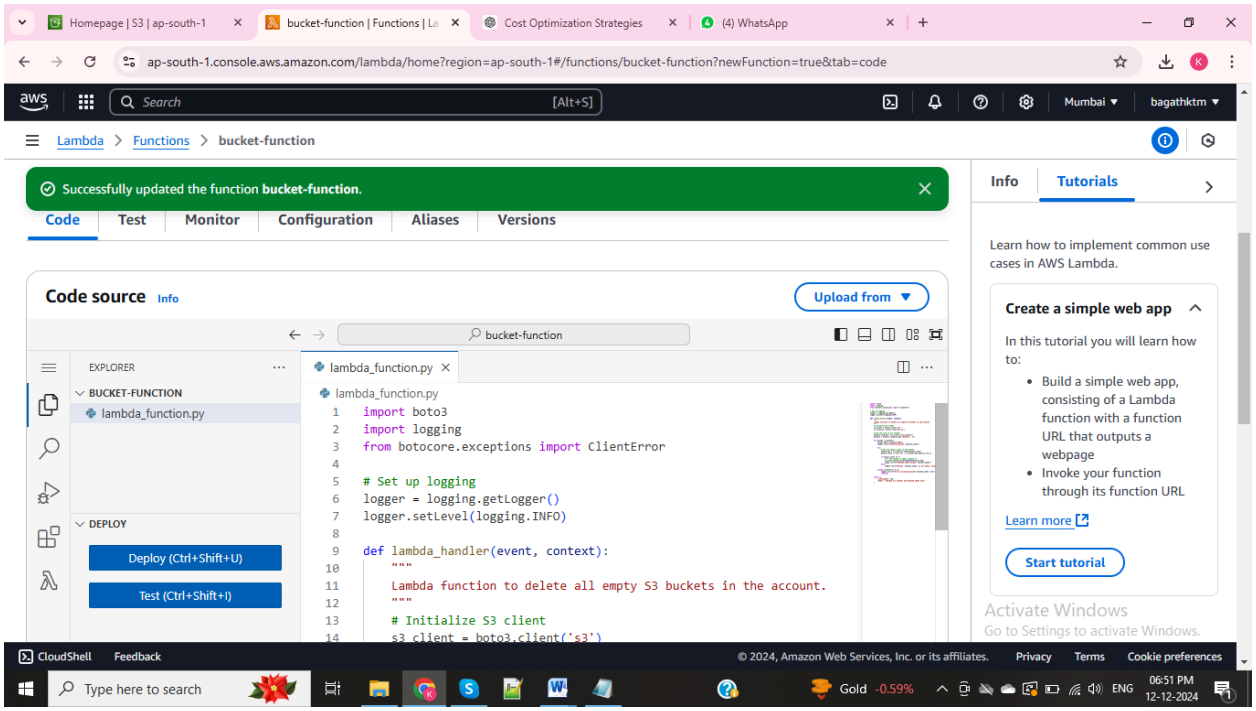
In s3 bucket with data uploaded a file in that bucket



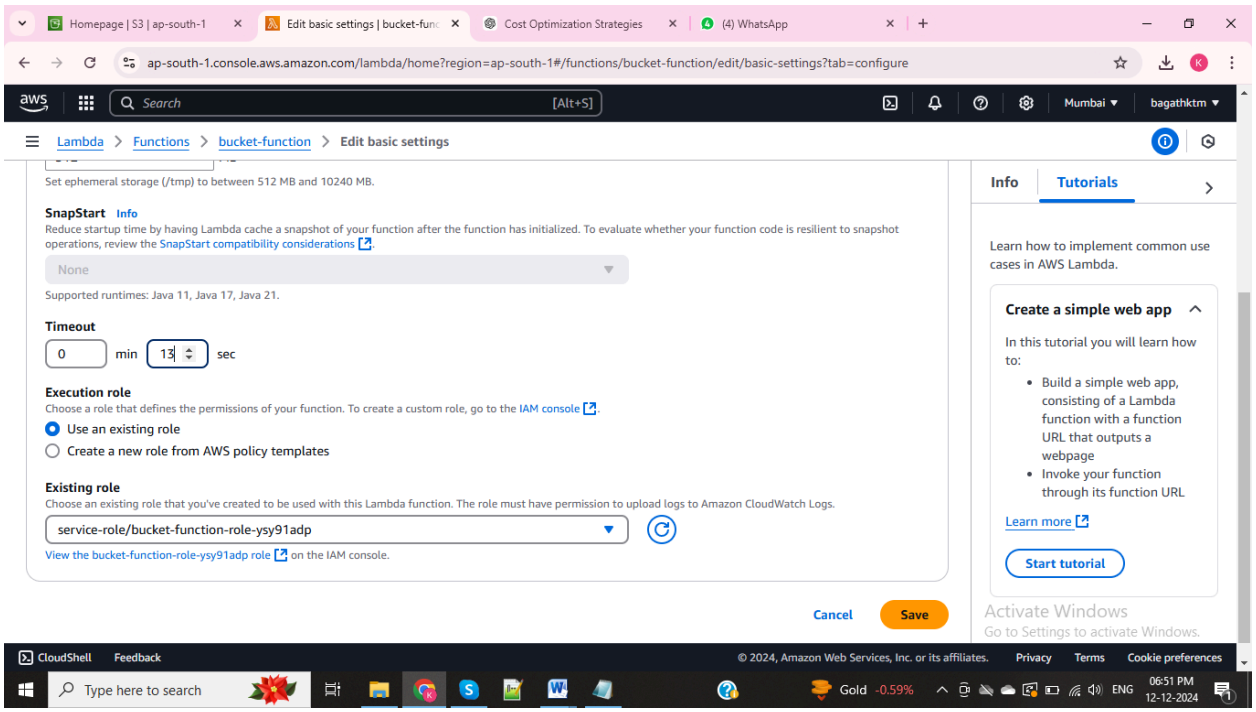
Go to Lambda -- Created a Lambda function as “Bucket-Function”



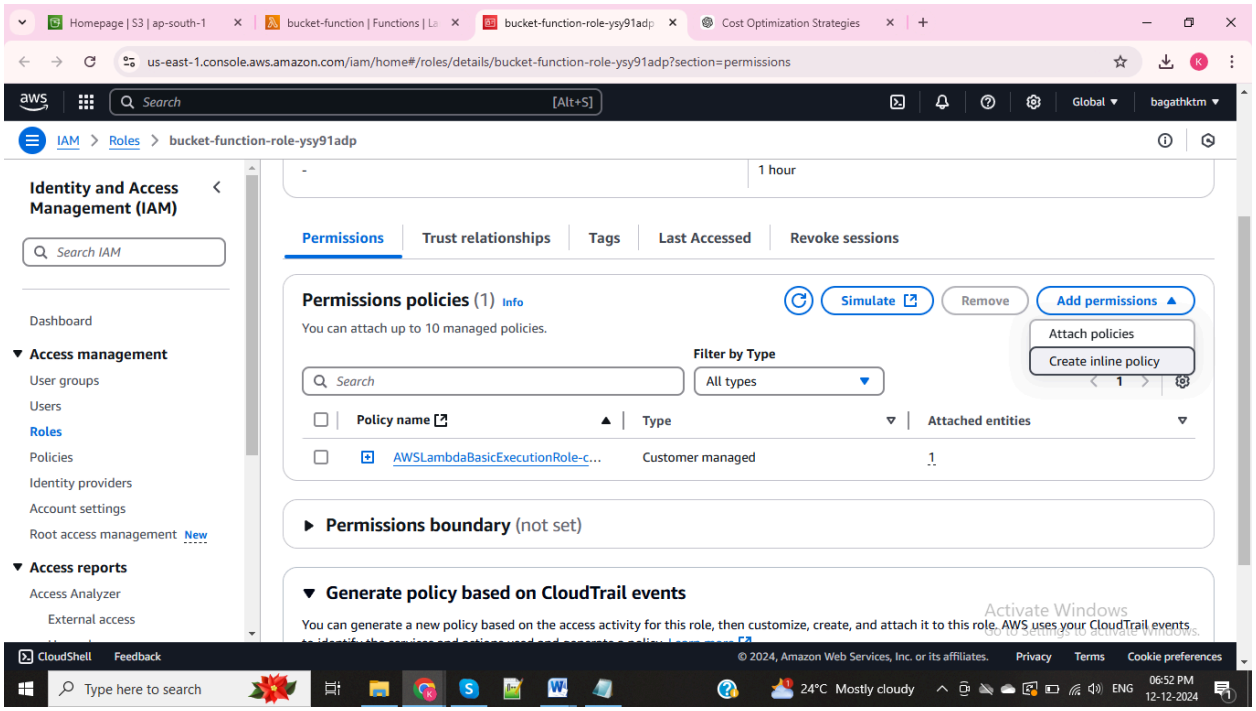
Create a python code for delete an empty bucket in S3 and deploy that code successfully



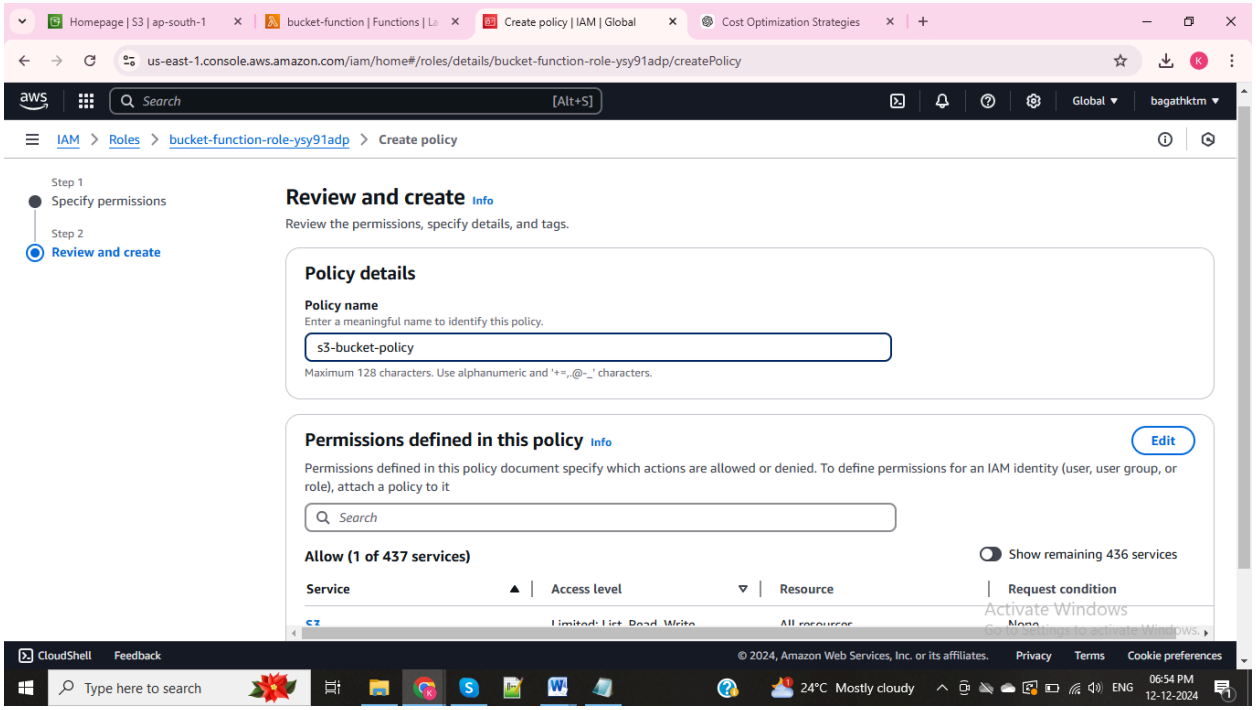
For code succeeded edited the Timeout seconds



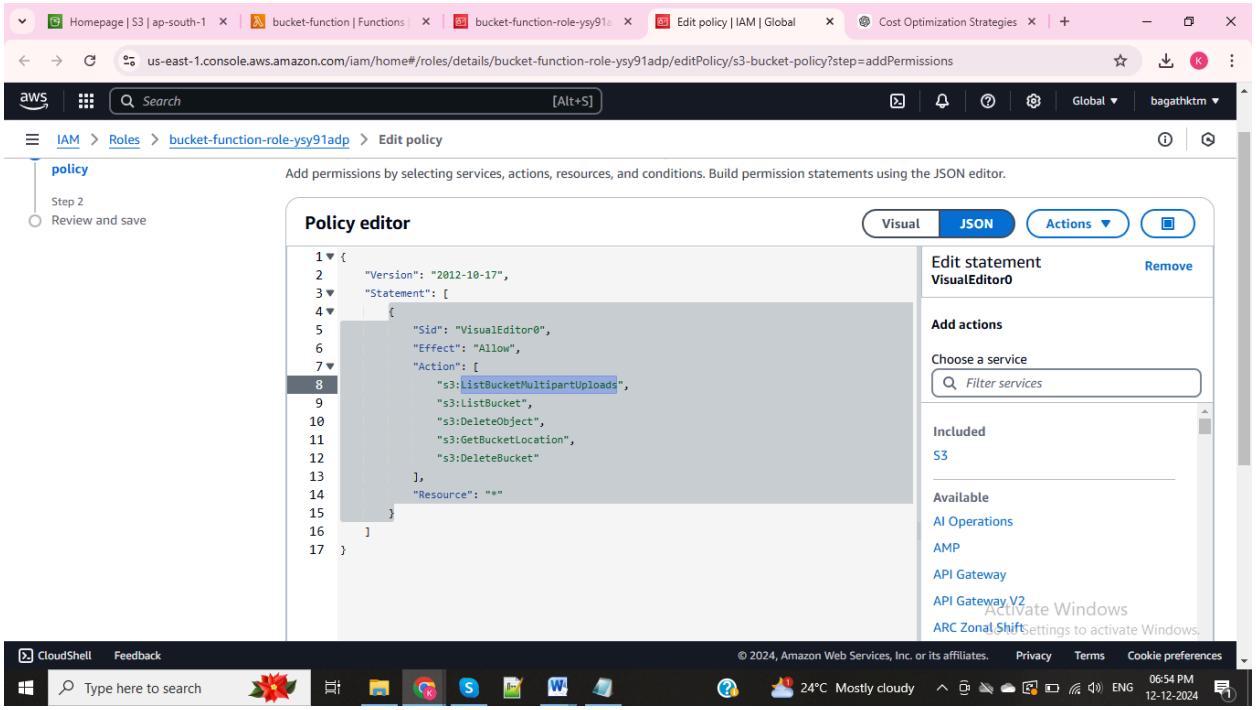
Created inline policy



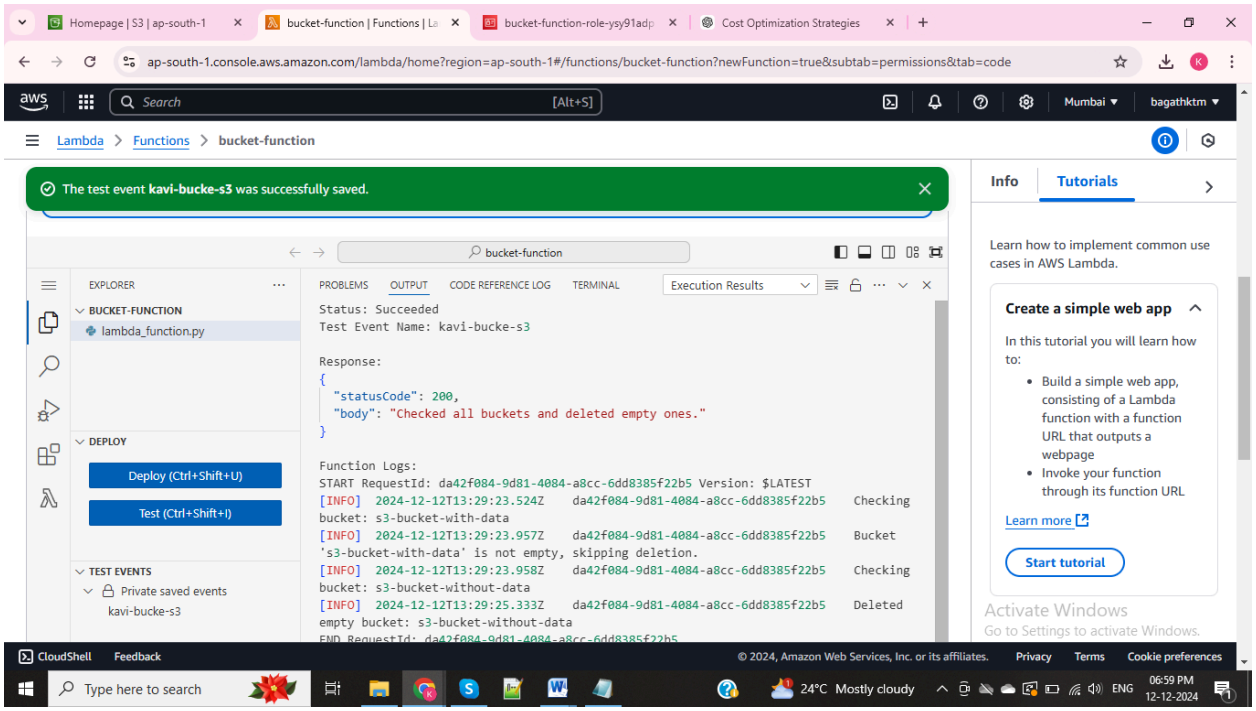
Policy created with required permissions



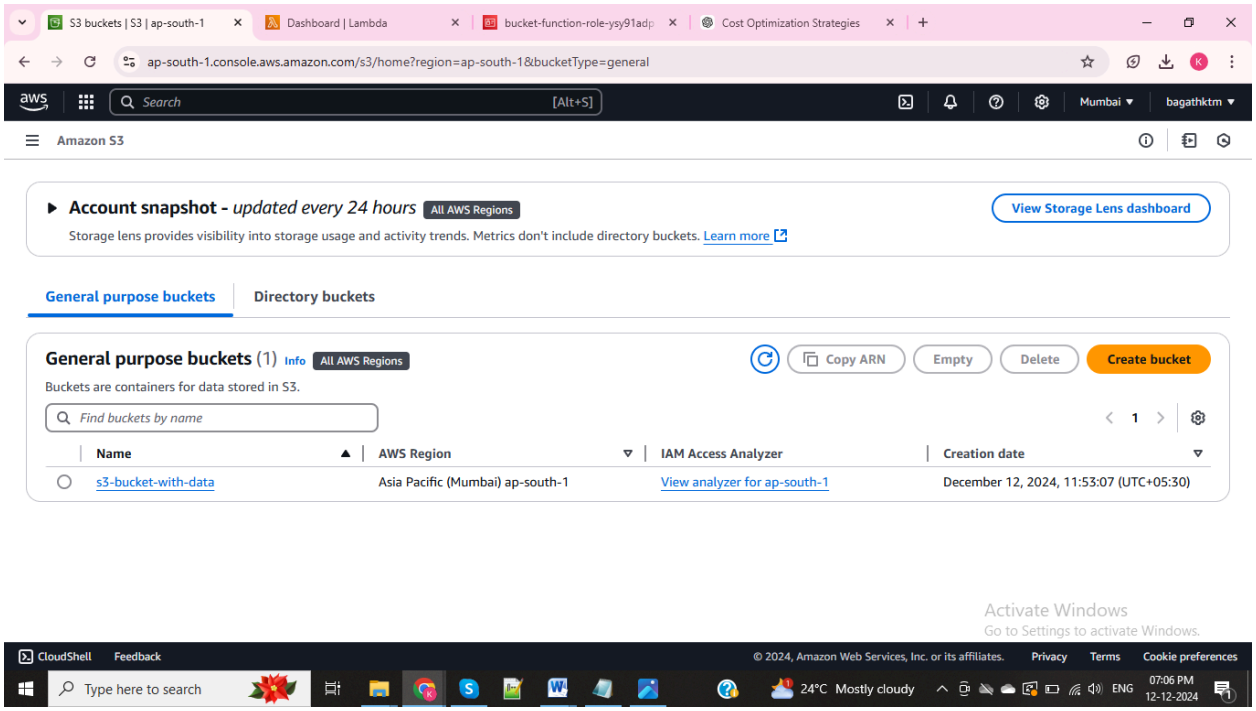
Add permissions to look into the S3 bucket and access them



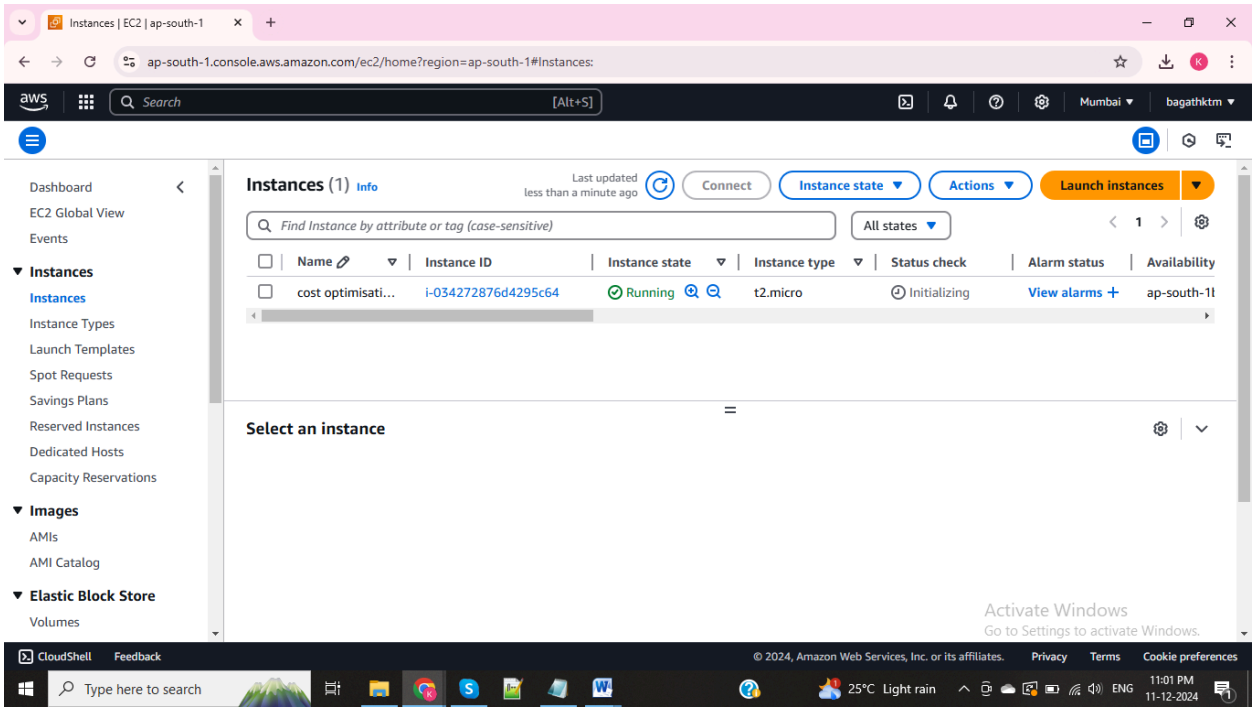
Code tested and the status is succeeded



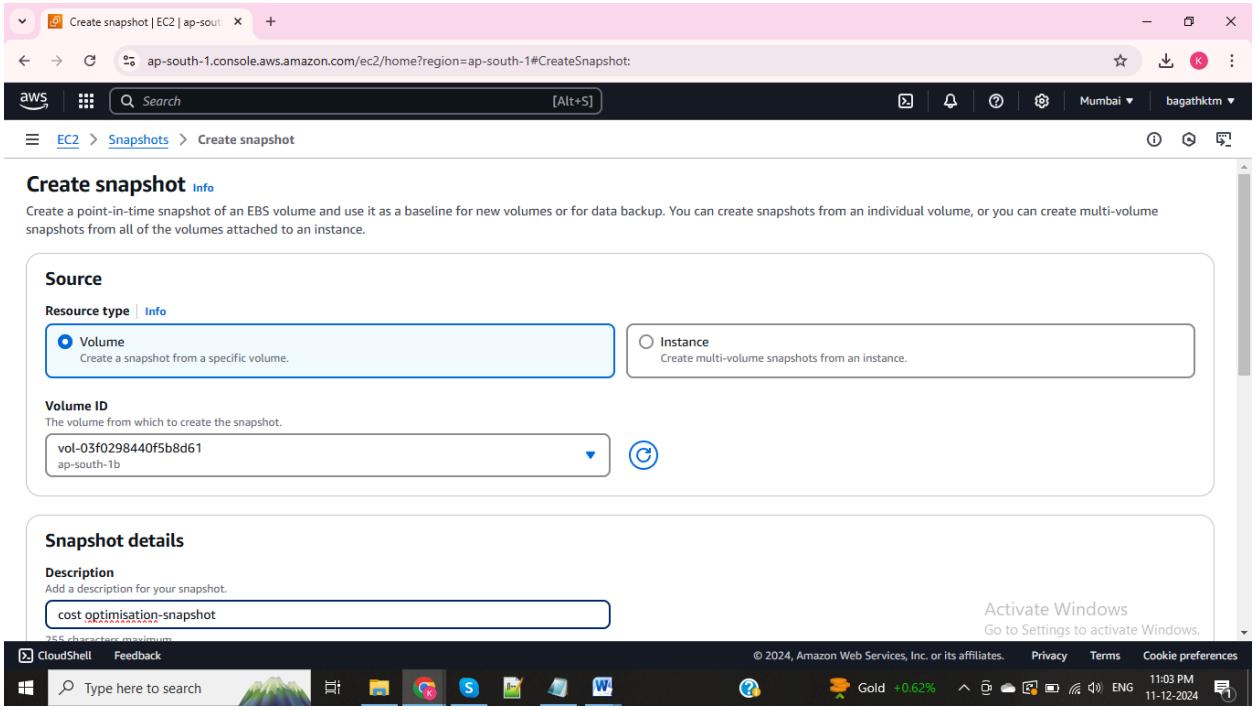
After code success the empty bucket in S3 is deleted automatically



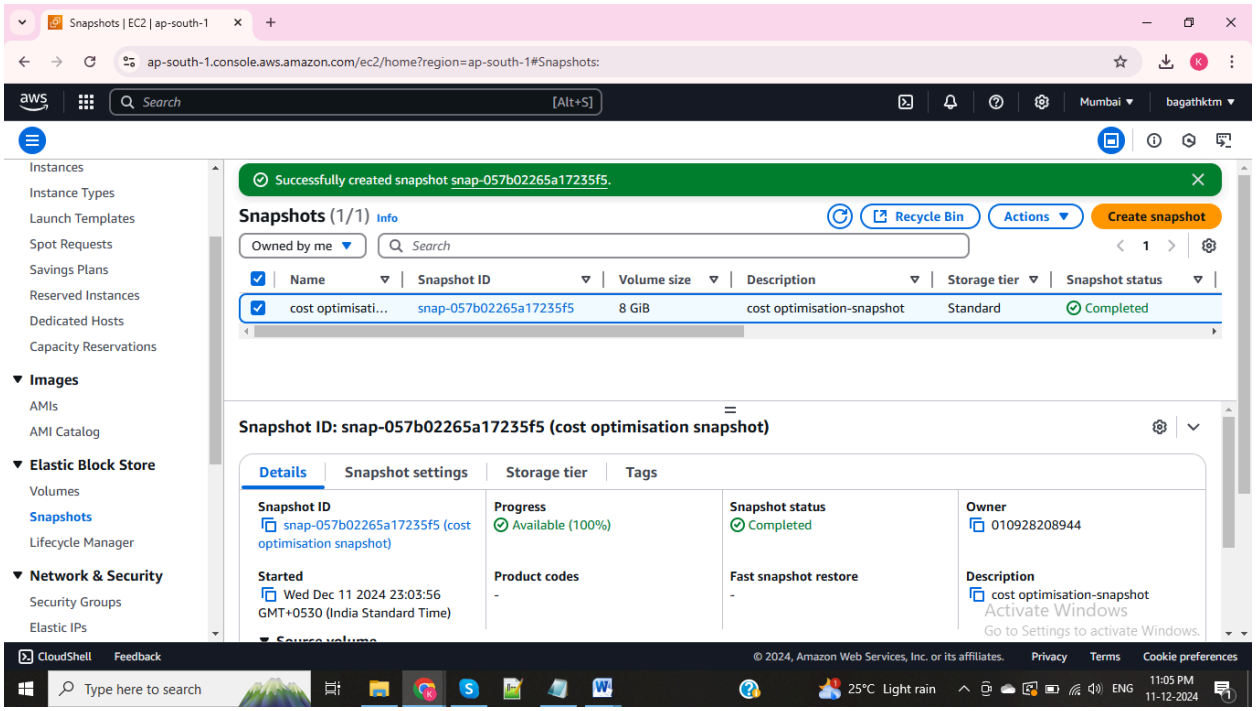
Cost Optimisation --Created an EC2 instance



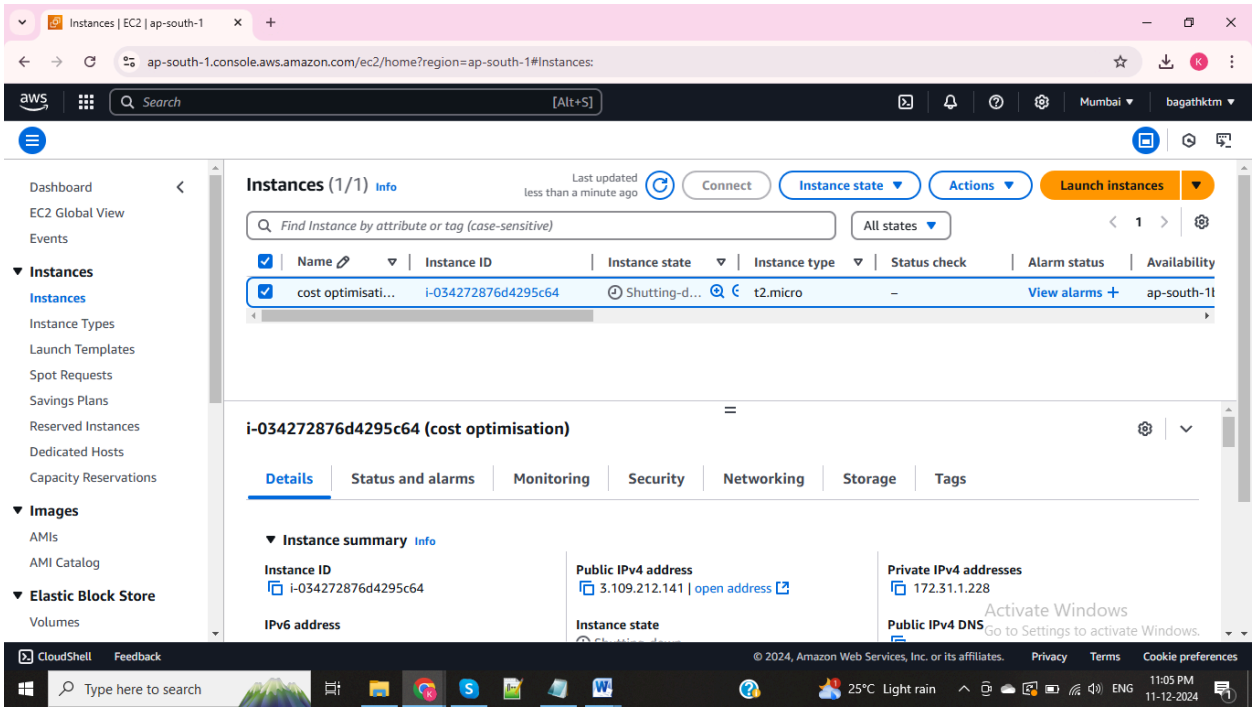
Created snapshot for running instance



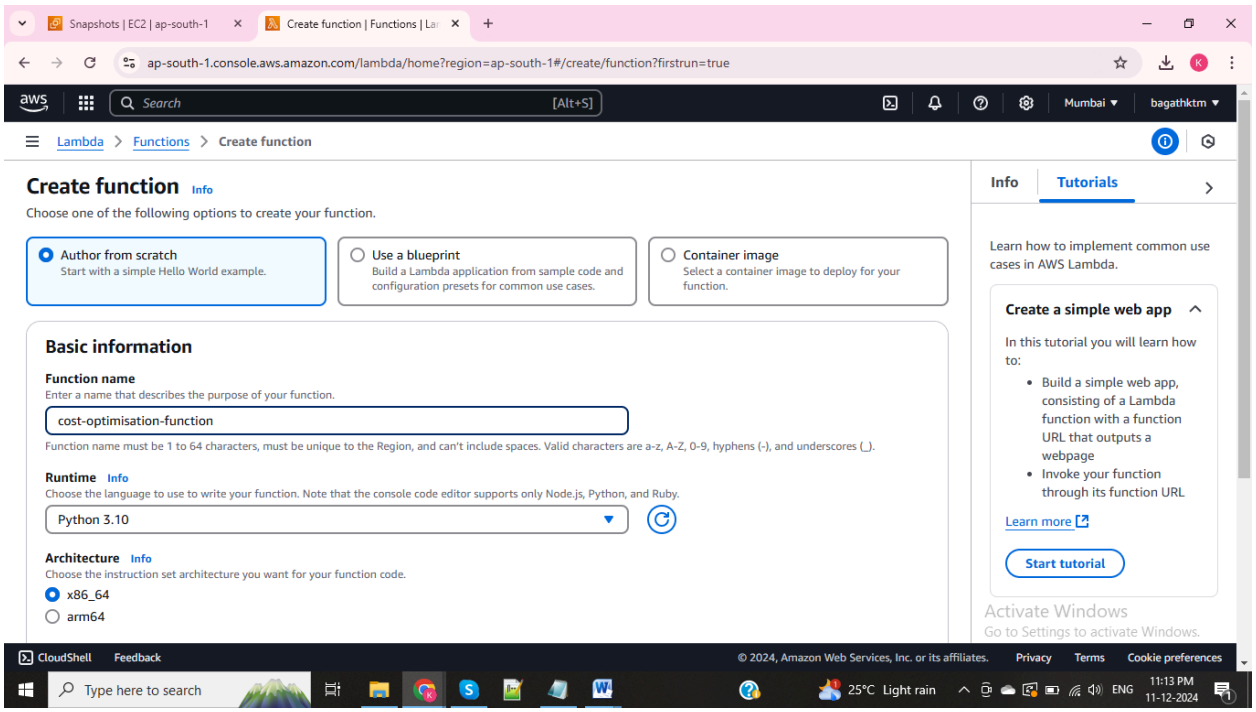
Snapshot is created successfully



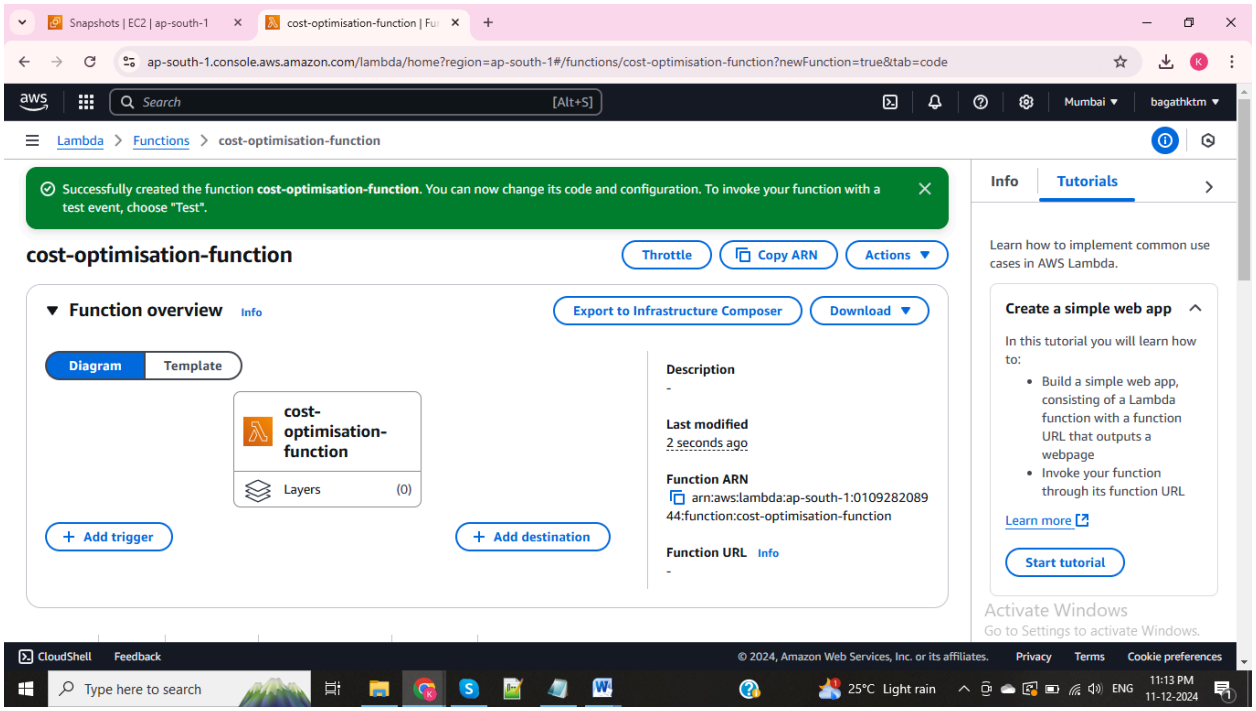
Now terminated the EC2 instance and root volume is deleted automatically but snapshot is there in Elastic Block store



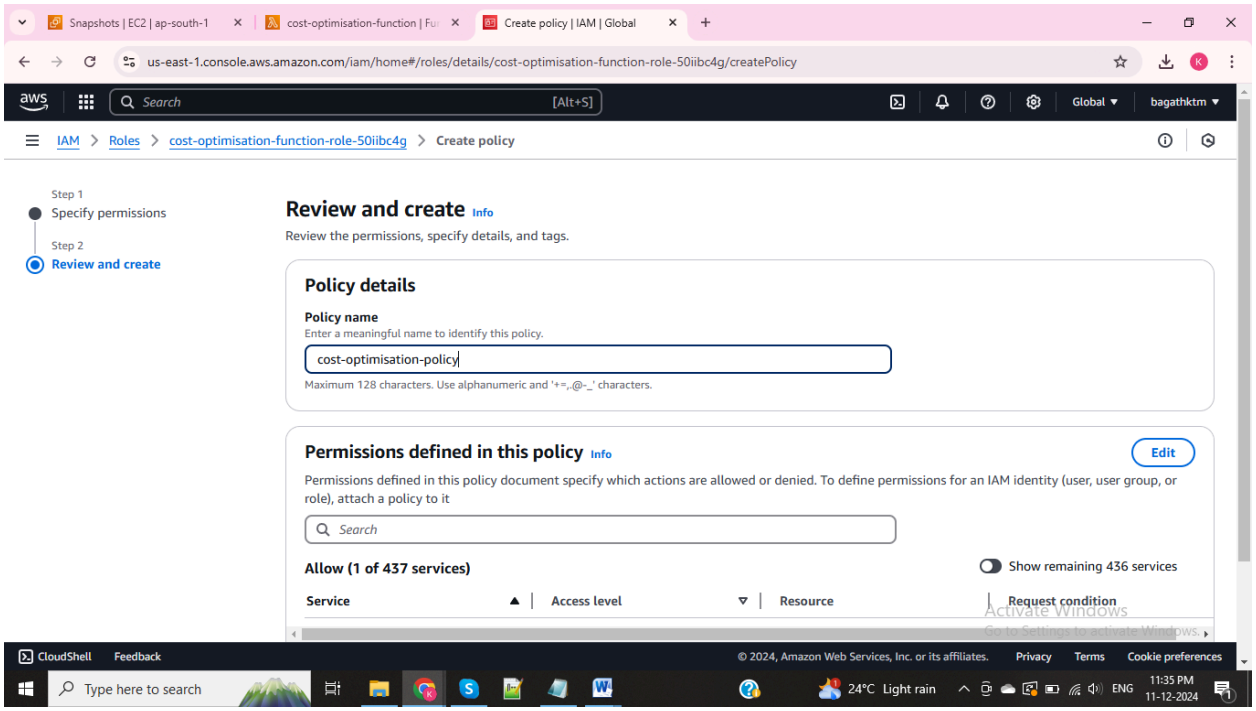
For this unattached snapshot we are using Lambda for deleting the snapshot

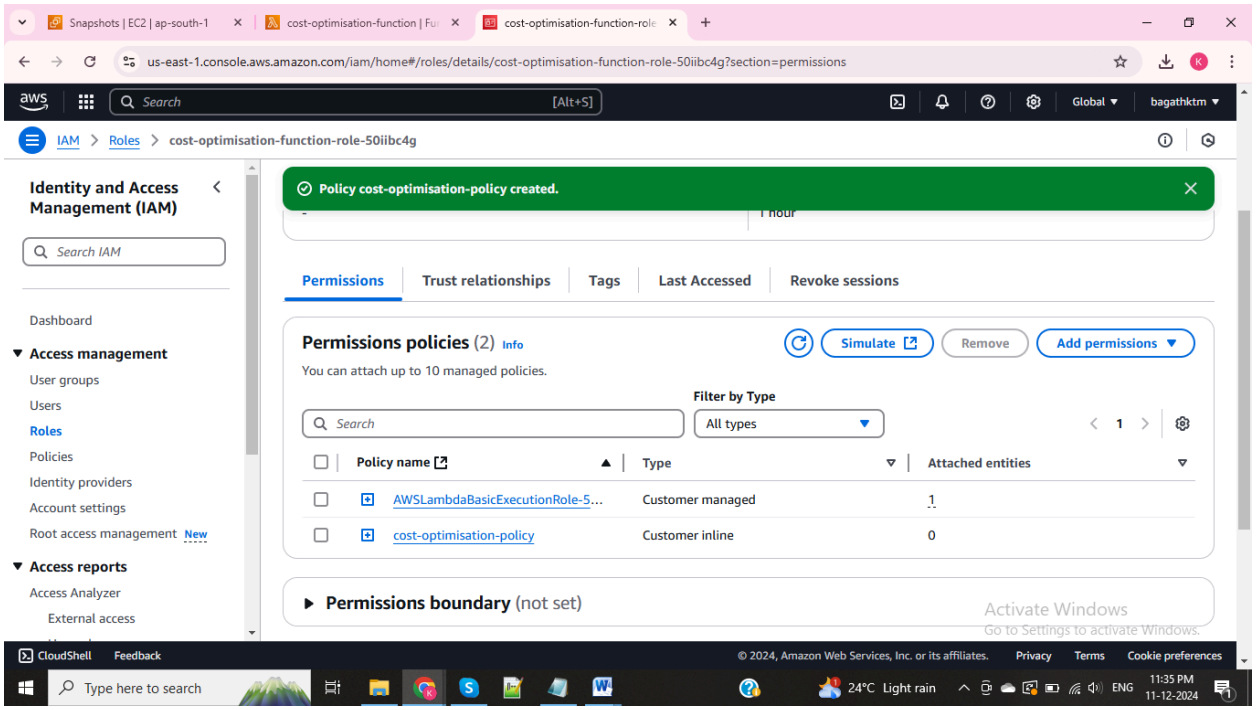


Lambda Function is created

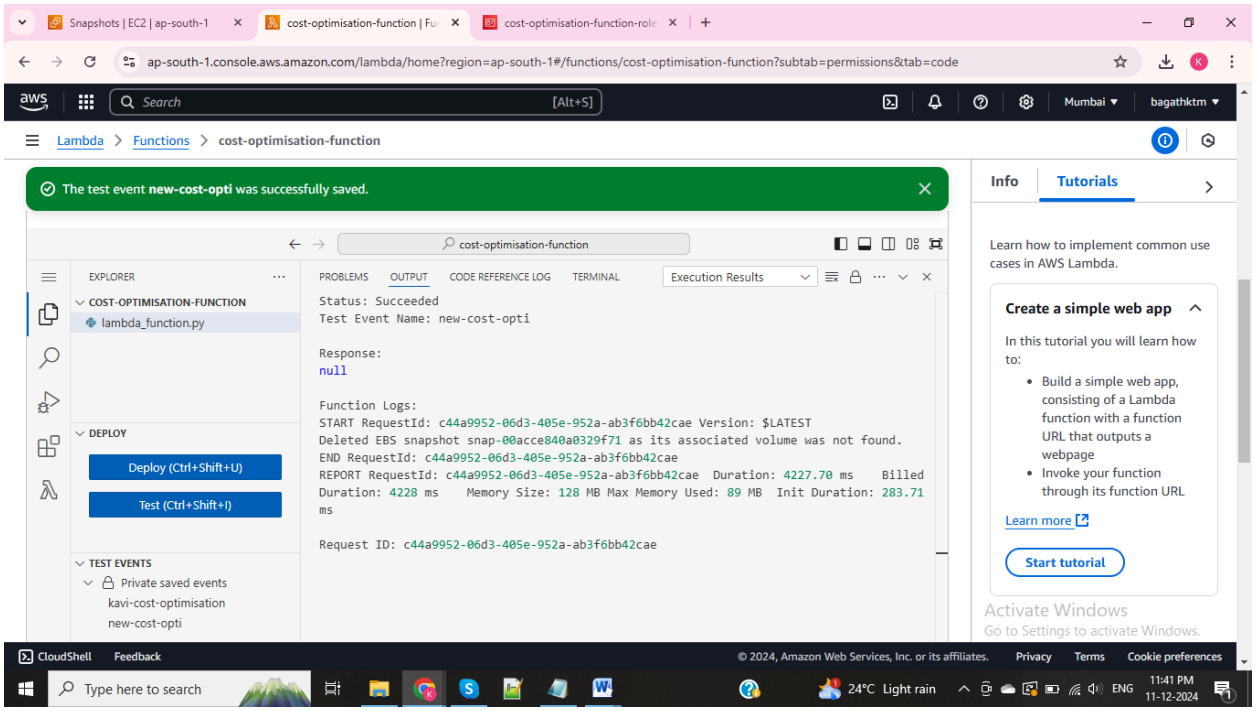


Policy is created with required permissions





Created python code for deleted an snapshot



With the help of Lambda Function snapshot is deleted and the output is