Cloud Computing-Assessment

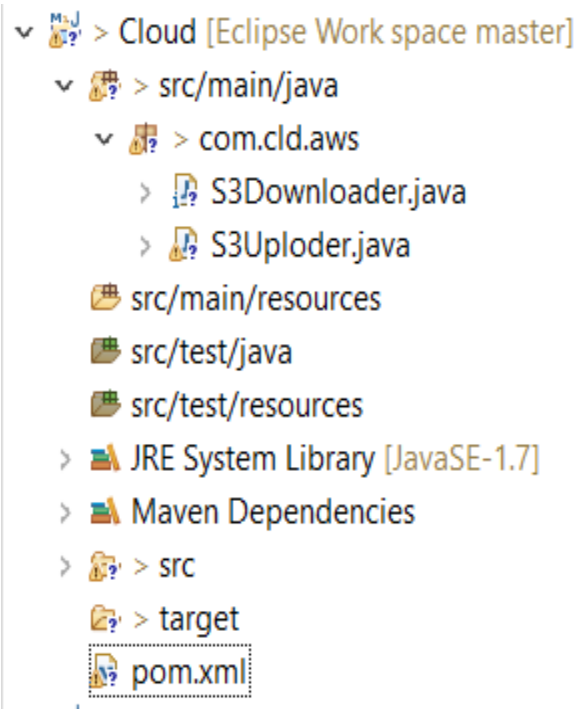
Jeban Ignesh J-11963

Problem Statement:

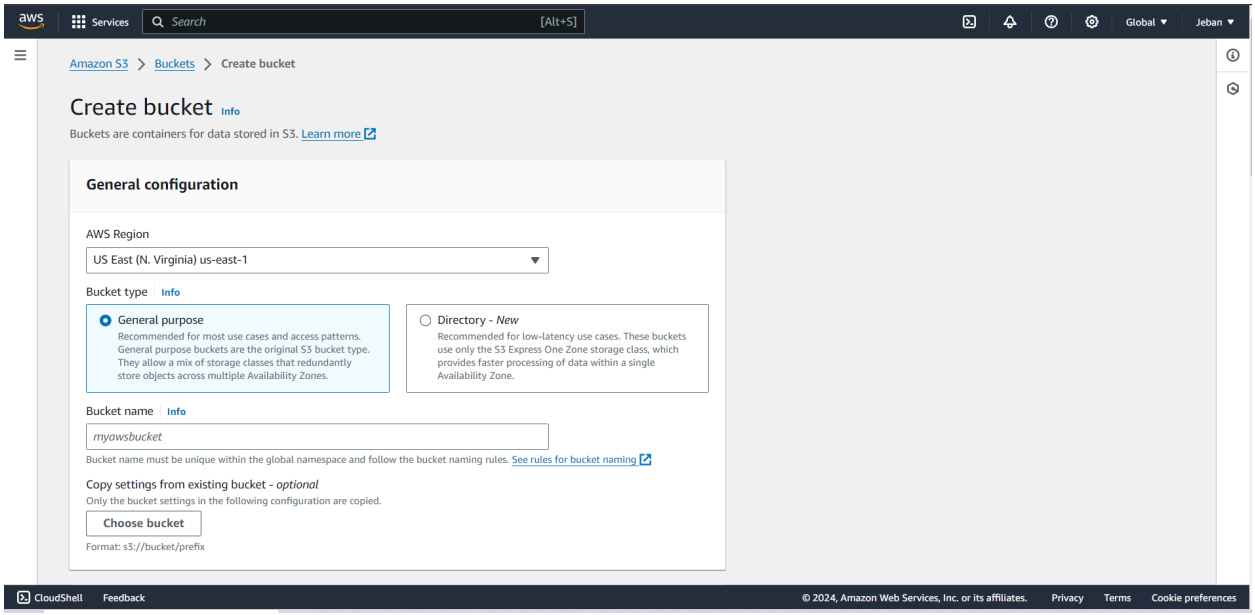
A leading software company is developing a software application and the client wants you to deploy the application on cloud . The R&D team is working on the various solutions available for this requirement . You have been assigned the task of working with AWS Cloud's S3 feature:

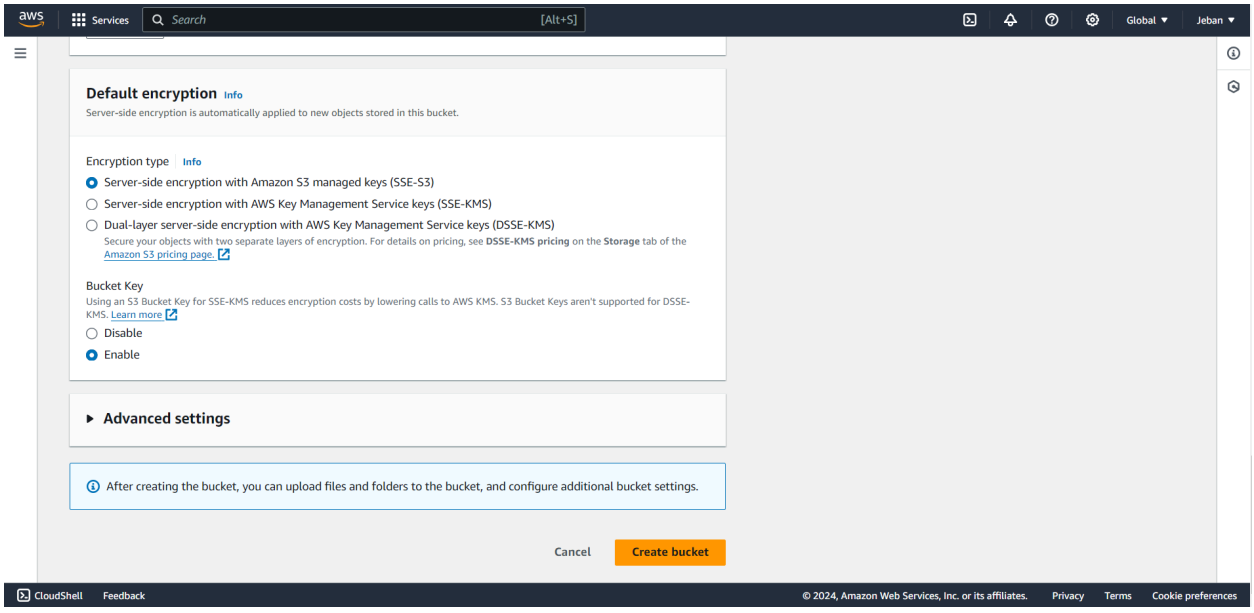
Create a menu based Java Console application to collect employee records and serialize them into a file and store the serialized file in a S3 Bucket . And retrieve the file from S3 Bucket and deserialize it and display it in the console.

Project Structure:

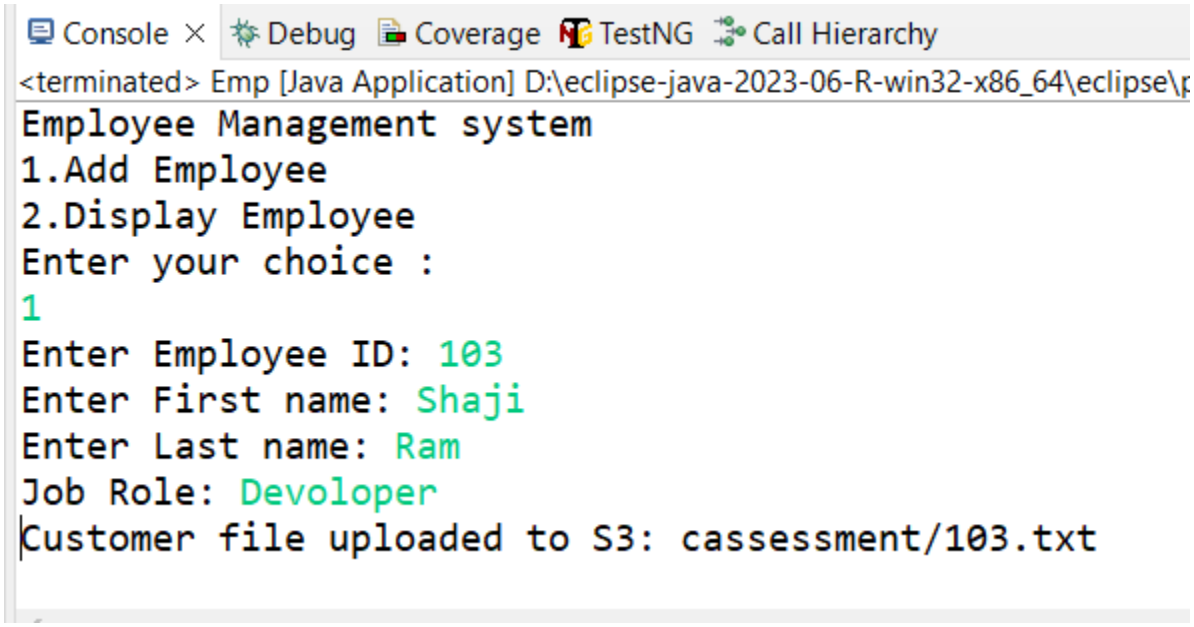


Step #1 : Create a S3 Bucket in your AWS Account .

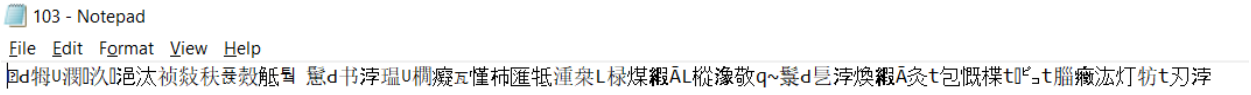


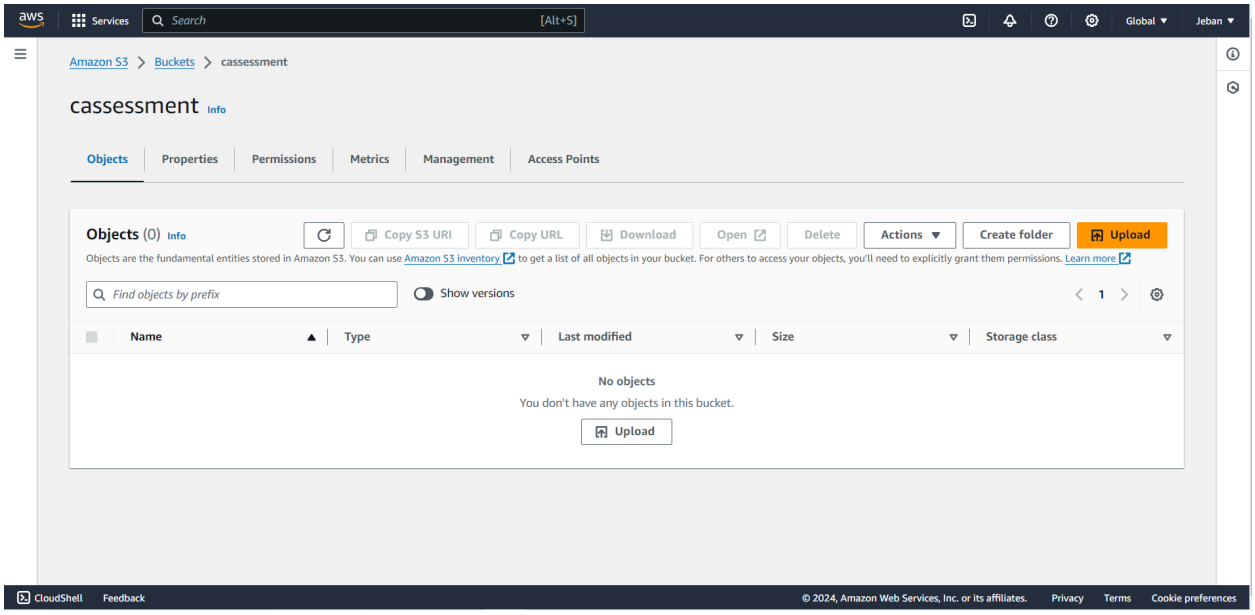


Serialized input File:



Serialization:




aws
Services
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Amazon S3 > Buckets > cassessment
cassessment Info
Objects
Properties
Permissions
Metrics
Management
Access Points
Objects (0) Info
Copy S3 URI
Copy URL
Download
Open
Delete
Actions
Create folder
Upload
Objects are the fundamental entities stored in Amazon S3. You can use Amazon S3 inventory to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. Learn more
Find objects by prefix
Show versions
Name
Type
Last modified
Size
Storage class
No objects
You don't have any objects in this bucket.
Upload
CloudShell
Feedback
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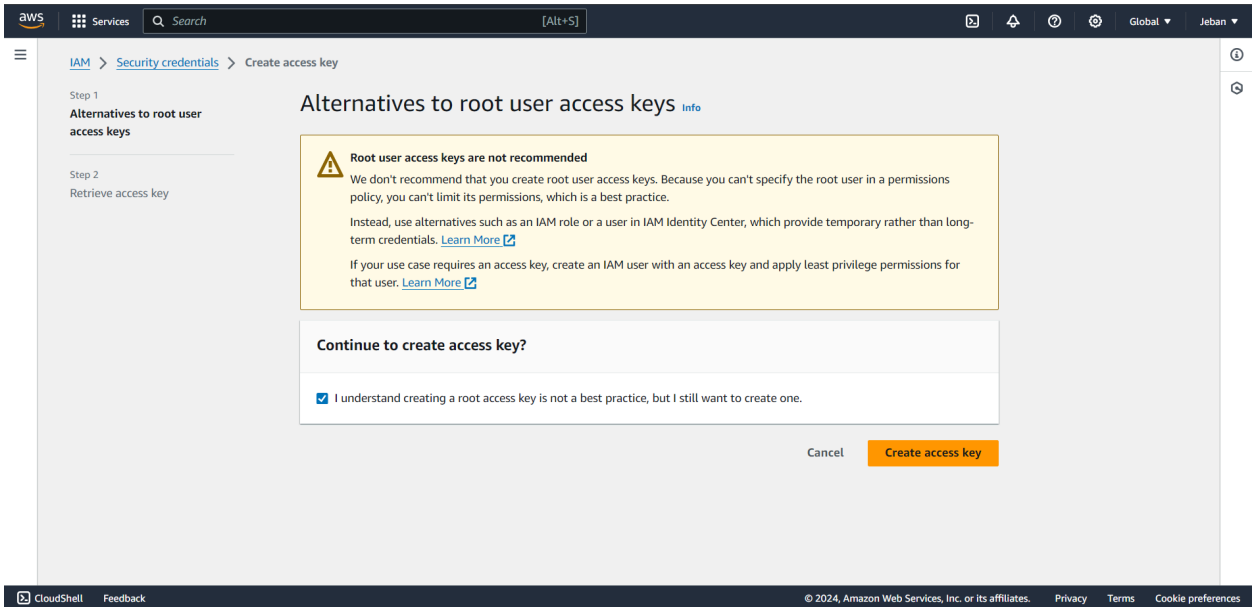
aws
Services
Search
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Global
Jeban
IAM > Security credentials > Create access key
Step 1
Alternatives to root user access keys
Step 2
Retrieve access key
Alternatives to root user access keys Info
Root user access keys are not recommended
We don't recommend that you create root user access keys. Because you can't specify the root user in a permissions policy, you can't limit its permissions, which is a best practice.
Instead, use alternatives such as an IAM role or a user in IAM Identity Center, which provide temporary rather than long-term credentials. Learn More
If your use case requires an access key, create an IAM user with an access key and apply least privilege permissions for that user. Learn More
Continue to create access key?
I understand creating a root access key is not a best practice, but I still want to create one.
Cancel
Create access key
CloudShell
Feedback
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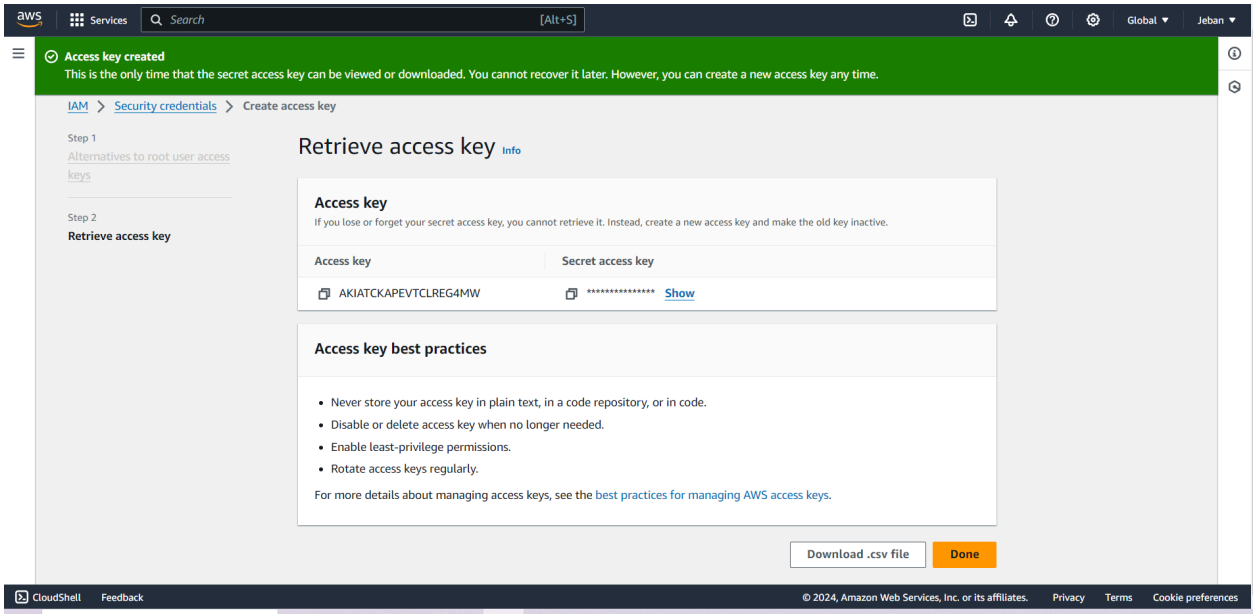
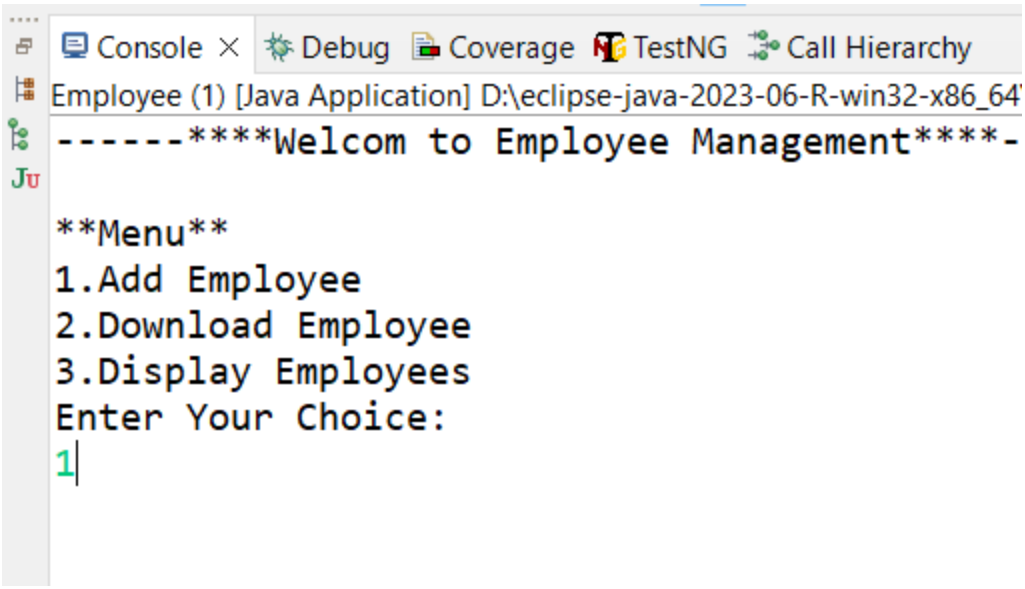
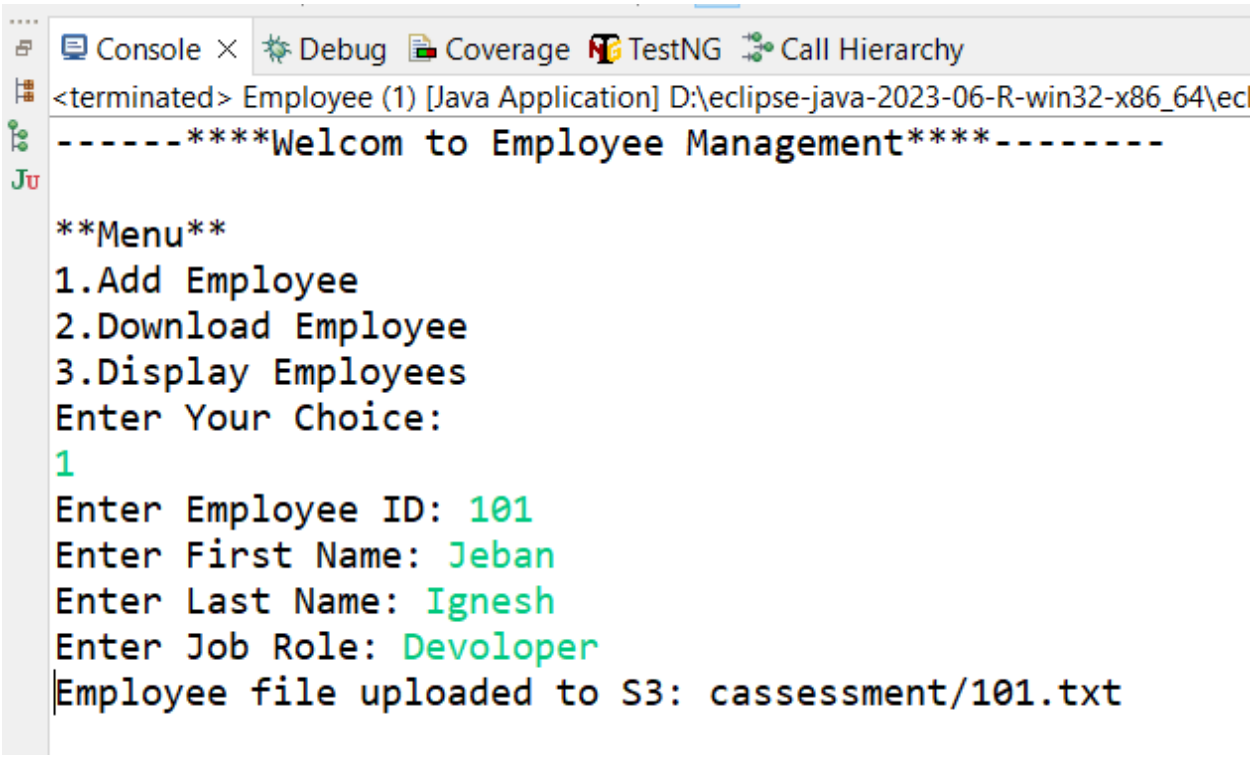


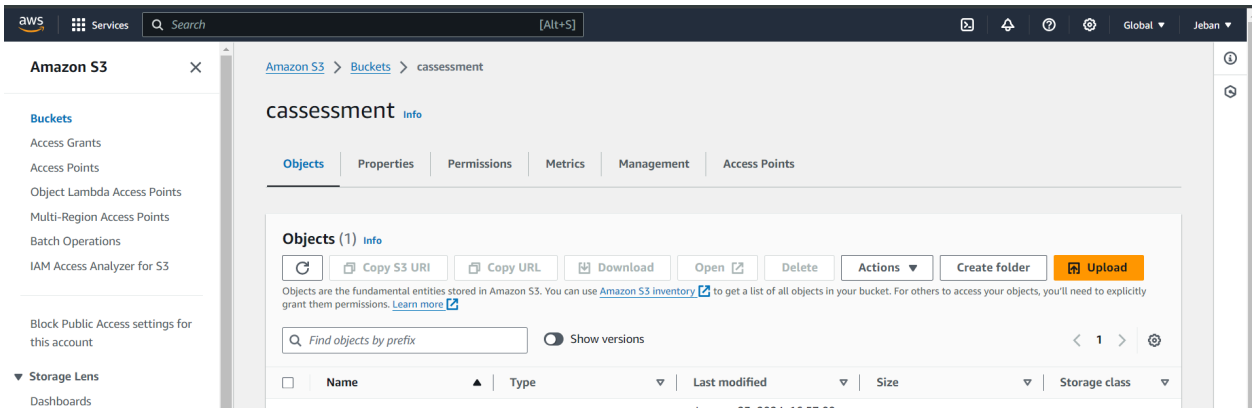
Step #2 : Console application screenshots as as follows:

Screen 1:



Screen 2: If Choice is 1 , accept the records , serialize the records and store the serialized file in S3 Bucket .





Screen 3: If choice entered is 2 , display the records as follows: