**Cloud Computing Assignment:**

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**Assignment 1:** Write a Java console program to accept customer data (custid, name, age and city) from user , store them in a text file, upload to aws s3 bucket from your program?

**Java program:**

**S3Uploader.java**

package com.example;

import com.amazonaws.auth.AWSStaticCredentialsProvider;

import com.amazonaws.auth.BasicAWSCredentials;

import com.amazonaws.services.s3.AmazonS3;

import com.amazonaws.services.s3.AmazonS3ClientBuilder;

import com.amazonaws.services.s3.model.PutObjectRequest;

import java.io.File;

import java.io.FileWriter;

import java.io.IOException;

import java.util.Scanner;

public class S3Uploader {

private static final String ACCESS\_KEY = "AKIAZQ3DQEVJBMTEVEHD";

private static final String SECRET\_KEY = "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";

private static final String REGION = "us-east-1";

private static final String BUCKET\_NAME = "2024buckets";

public static void main(String[] args) {

BasicAWSCredentials awsCreds = new BasicAWSCredentials(ACCESS\_KEY, SECRET\_KEY);

AmazonS3 s3Client = AmazonS3ClientBuilder.standard()

.withRegion(REGION)

.withCredentials(new AWSStaticCredentialsProvider(awsCreds))

.build();

Scanner scanner = new Scanner(System.in);

System.out.print("Enter customer ID: ");

String custid = scanner.nextLine();

System.out.print("Enter customer name: ");

String name = scanner.nextLine();

System.out.print("Enter customer age: ");

String age = scanner.nextLine();

System.out.print("Enter customer city: ");

String city = scanner.nextLine();

File customerFile = new File(custid + ".txt");

try (FileWriter writer = new FileWriter(customerFile)) {

writer.write("Customer ID: " + custid + "\n");

writer.write("Name: " + name + "\n");

writer.write("Age: " + age + "\n");

writer.write("City: " + city + "\n");

System.out.println("File Created!");

} catch (IOException e) {

System.err.println("Error creating customer file: " + e.getMessage());

return;

}

PutObjectRequest request = new PutObjectRequest(BUCKET\_NAME, custid + ".txt", customerFile);

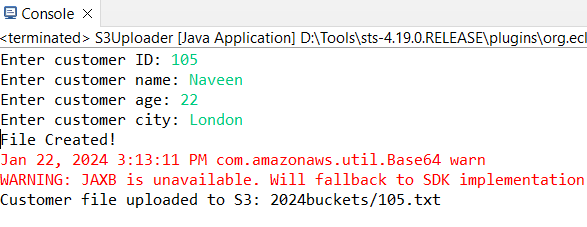
s3Client.putObject(request);

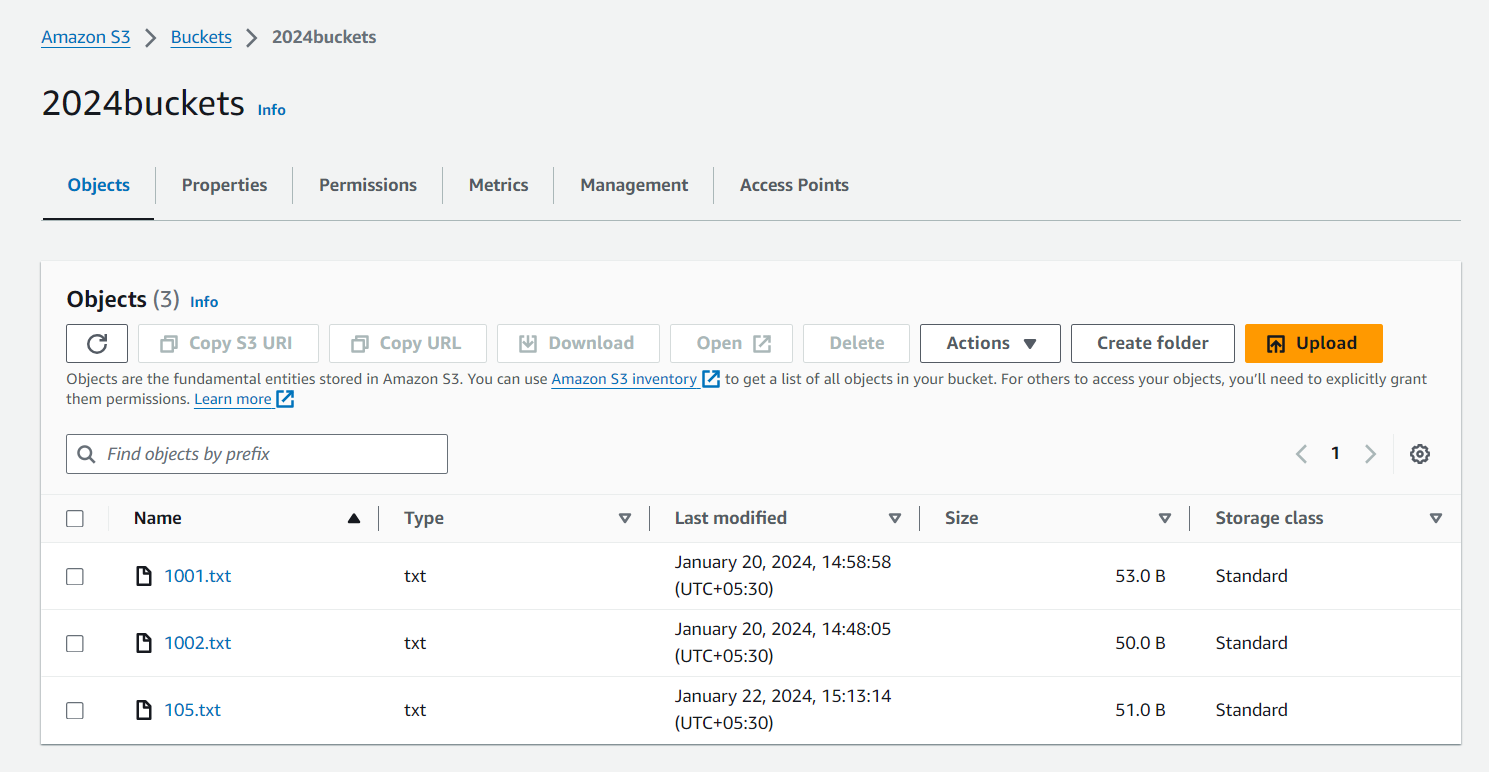
System.out.println("Customer file uploaded to S3: " + BUCKET\_NAME + "/" + custid + ".txt");

}

}

**Output:**

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