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 = "";
    private static final String SECRET_KEY = "";
    private static final String REGION = "";
    private static final String BUCKET_NAME = "";

    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:

Console ×

<terminated> S3Uploader [Java Application] D:\Tools\sts-4.19.0.RELEASE\plugins\org.ecl

```
Enter customer ID: 105
Enter customer name: Naveen
Enter customer age: 22
Enter customer city: London
File Created!
Jan 22, 2024 3:13:11 PM com.amazonaws.util.Base64 warn
WARNING: JAXB is unavailable. Will fallback to SDK implementation
Customer file uploaded to S3: 2024buckets/105.txt
```