

## Cloud Computing Assignment :

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**Assignment :** Write a Java Console Program to Accept Customer Data ( Custid , Name , Age , City ) from user, Store them in a txt file and upload and retrieve to and from AWS S3 bucket from your program ?

Project Name : AWSS3

Class Name : S3Uploaded.java

```
package com.example;

import java.io.File;
import java.io.FileWriter;
import java.io.IOException;
import java.util.Scanner;

import com.amazonaws.auth.AWSSessionCredentialsProvider;
import com.amazonaws.auth.BasicAWSCredentials;

import com.amazonaws.services.s3.AmazonS3;
import com.amazonaws.services.s3.AmazonS3ClientBuilder;
import com.amazonaws.services.s3.model.PutObjectRequest;

public class S3Uploaded {

    private static final String ACCESS_KEY = "AKIAYS2NTT73AYA5QT5C";
    private static final String SECRET_KEY = " 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";
    private static final String REGION = "ap-southeast-2";
    private static final String BUCKET_NAME = "1buckettask";

    public static void main(String[] args) {
        BasicAWSCredentials awsCreds = new BasicAWSCredentials(ACCESS_KEY,
SECRET_KEY);
        AmazonS3 s3Client = AmazonS3ClientBuilder.standard()
            .withRegion(REGION)
            .withCredentials(new AWSSessionCredentialsProvider(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();

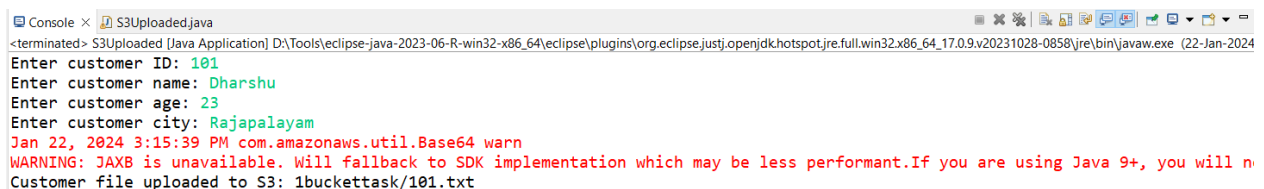
File customerFile = new File(custid + ".txt");
try (FileWriter writer = new FileWriter(customerFile)) {
    writer.write("Customer ID: " + custid + "\n");
    writer.write("Name: " + name + "\n");
    writer.write("Age: " + age + "\n");
    writer.write("City: " + city + "\n");
} catch (IOException e) {
    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 x S3Upload.java
<terminated> S3Upload [Java Application] D:\Tools\ eclipse-java-2023-06-R-win32-x86_64\ eclipse\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.9.v20231028-0858\jre\bin\javaw.exe (22-Jan-2024)
Enter customer ID: 101
Enter customer name: Dharshu
Enter customer age: 23
Enter customer city: Rajapalayam
Jan 22, 2024 3:15:39 PM com.amazonaws.util.Base64 warn
WARNING: JAXB is unavailable. Will fallback to SDK implementation which may be less performant.If you are using Java 9+, you will n
Customer file uploaded to S3: 1buckettask/101.txt

```

## AWS Bucket :

The screenshot displays the AWS S3 console interface. The left sidebar shows the 'Amazon S3' navigation menu with options like Buckets, Access Grants, Access Points, Object Lambda Access Points, Multi-Region Access Points, Batch Operations, IAM Access Analyzer for S3, Storage Lens, Dashboards, Storage Lens groups, AWS Organizations settings, Feature spotlight, and AWS Marketplace for S3. The main content area shows the '1buckettask' bucket details. The 'Objects' tab is selected, displaying a table with one object: '101.txt'. The object's details include its type (txt), last modified date (January 22, 2024, 15:15:42 UTC+05:30), size (57.0 B), and storage class (Standard). The top of the console shows the breadcrumb 'Amazon S3 > Buckets > 1buckettask' and the bucket name '1buckettask'.

Amazon S3 > Buckets > 1buckettask

### 1buckettask [Info](#)

[Objects](#) [Properties](#) [Permissions](#) [Metrics](#) [Management](#) [Access Points](#)

**Objects (1) [Info](#)**

[Refresh](#) [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](#)

<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	<a href="#">101.txt</a>	txt	January 22, 2024, 15:15:42 (UTC+05:30)	57.0 B	Standard

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15:18 22-01-2024