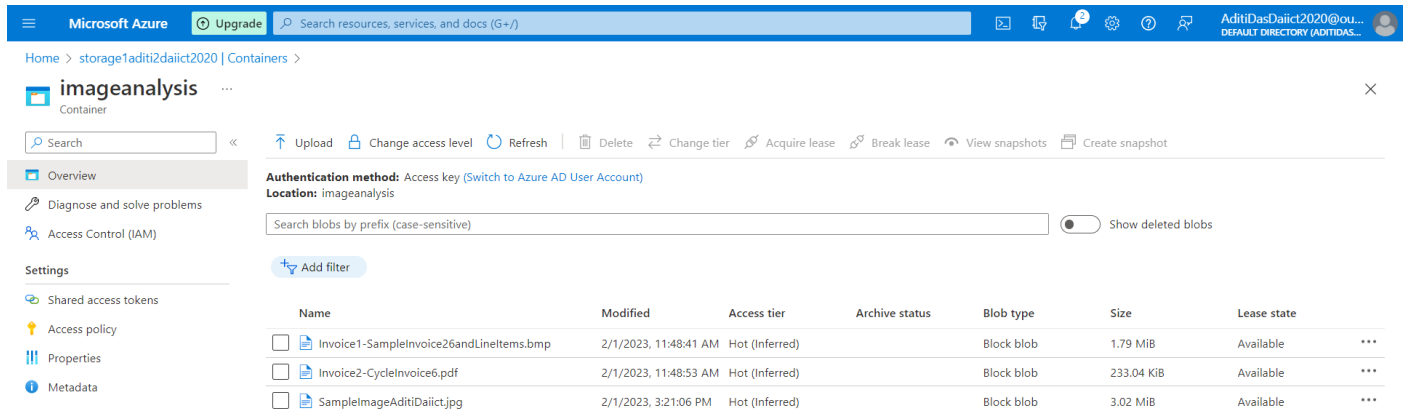


1. Complete the following tutorial about pictures and blob storage.

Container and its contents:



Microsoft Azure | Upgrade | Search resources, services, and docs (G+)

Home > storage1aditi2daict2020 | Containers >

imageanalysis

Container

Search

Upload | Change access level | Refresh | Delete | Change tier | Acquire lease | Break lease | View snapshots | Create snapshot

Authentication method: Access key (Switch to Azure AD User Account)
Location: imageanalysis

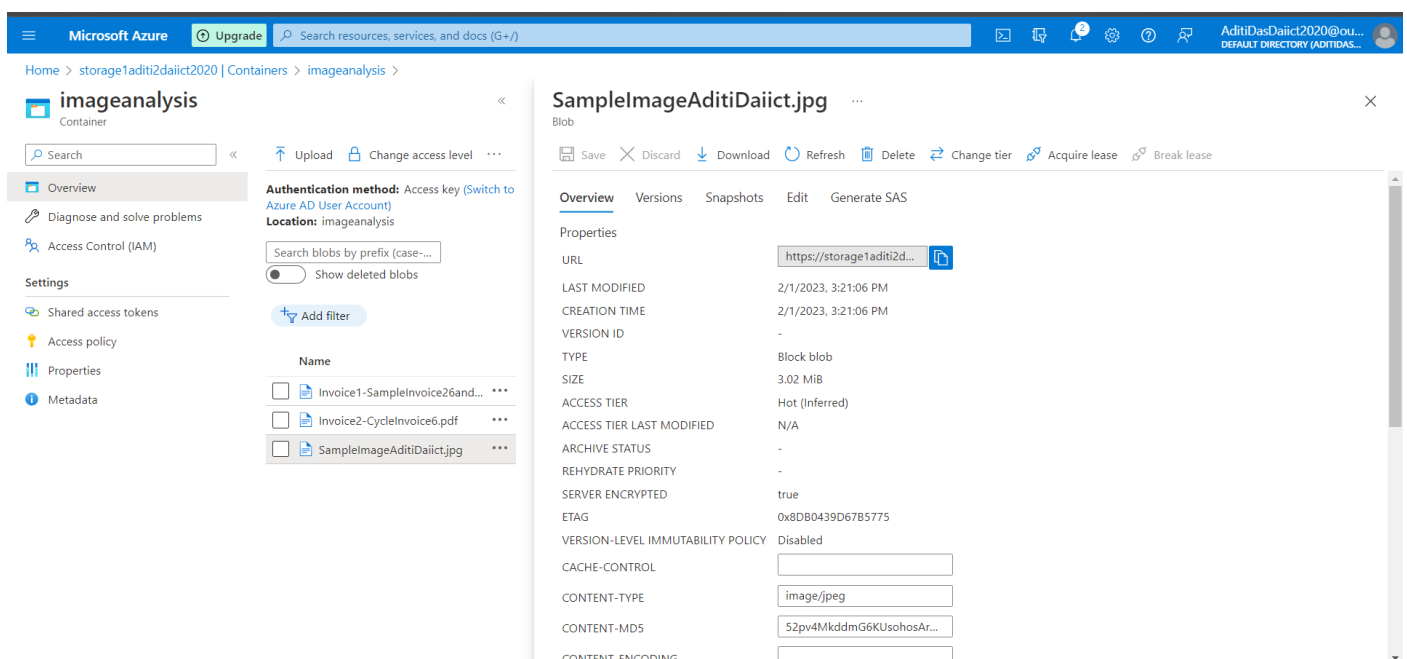
Search blobs by prefix (case-sensitive) | Show deleted blobs

Add filter

Name	Modified	Access tier	Archive status	Blob type	Size	Lease state
Invoice1-SampleInvoice26andLineItems.bmp	2/1/2023, 11:48:41 AM	Hot (Inferred)		Block blob	1.79 MiB	Available
Invoice2-CycleInvoice6.pdf	2/1/2023, 11:48:53 AM	Hot (Inferred)		Block blob	233.04 KiB	Available
SampleImageAditiDaiict.jpg	2/1/2023, 3:21:06 PM	Hot (Inferred)		Block blob	3.02 MiB	Available

Output:

Azure Portal:



Microsoft Azure | Upgrade | Search resources, services, and docs (G+)

Home > storage1aditi2daict2020 | Containers > imageanalysis >

imageanalysis

Container

Search

Upload | Change access level | ...

Authentication method: Access key (Switch to Azure AD User Account)
Location: imageanalysis

Search blobs by prefix (case-...) | Show deleted blobs

Add filter

SampleImageAditiDaiict.jpg

Blob

Save | Discard | Download | Refresh | Delete | Change tier | Acquire lease | Break lease

Overview | Versions | Snapshots | Edit | Generate SAS

Properties

URL: https://storage1aditi2d...

LAST MODIFIED: 2/1/2023, 3:21:06 PM

CREATION TIME: 2/1/2023, 3:21:06 PM

VERSION ID: -

TYPE: Block blob

SIZE: 3.02 MiB

ACCESS TIER: Hot (Inferred)

ACCESS TIER LAST MODIFIED: N/A

ARCHIVE STATUS: -

REHYDRATE PRIORITY: -

SERVER ENCRYPTED: true

ETAG: 0x8DB0439D67B5775

VERSION-LEVEL IMMUTABILITY POLICY: Disabled

CACHE-CONTROL:

CONTENT-TYPE: image/jpeg

CONTENT-MD5: 52pv4MkddmG6KUsohosAr...

CONTENT-ENCODING:

Sample Invoice:

← → ↺ storage1aditi2daiict2020.blob.core.windows.net/imageanalysis/Invoice1-SampleInvoice26andLineItems.bmp

Gmail YouTube Maps Translate SBG, DA-IICT Check Off All The C... Students E-Campus RD Web Access Season 5New episo... Moodle Dashboard DAICT Intranet Entelechy

CONTOSO LTD.

Contoso Headquarters
123 456th St
New York, NY, 10001

Microsoft Corp
123 Other St,
Redmond WA, 98052

BILL TO:
Microsoft Finance
123 Bill St,
Redmond WA, 98052

INVOICE

INVOICE: INV-100
INVOICE DATE: 11/15/2019
DUE DATE: 12/15/2019
CUSTOMER NAME: MICROSOFT CORPORATION
SERVICE PERIOD: 10/14/2019 – 11/14/2019
CUSTOMER ID: CID-12345

SHIP TO:
Microsoft Delivery
123 Ship St,
Redmond WA, 98052

SERVICE ADDRESS:
Microsoft Services
123 Service St,
Redmond WA, 98052

SALESPERSON	P.O. NUMBER	REQUISITIONER	SHIPPED VIA	F.O.B. POINT	TERMS
	PO-3333				

DATE	ITEM CODE	DESCRIPTION	QTY	UM	PRICE	TAX	AMOUNT
3/4/2021	A123	Consulting Services	2	hours	\$30.00	10%	\$60.00
3/5/2021	B456	Document Fee	3		\$10.00	5%	\$30.00
3/6/2021	C789	Printing Fee	10	pages	\$1.00	20%	\$10.00

SUBTOTAL

\$100.00

SALES TAX

\$10.00

TOTAL

\$110.00

PREVIOUS UNPAID BALANCE

\$500.00

AMOUNT DUE

\$610.00

THANK YOU FOR YOUR BUSINESS!

REMIT TO:
Contoso Billing
123 Remit St
New York, NY, 10001

Harbour Invoice:

← → ↺ storage1aditi2daiict2020.blob.core.windows.net/imageanalysis/Invoice2-CycleInvoice6.pdf

Gmail YouTube Maps Translate SBG, DA-IICT Check Off All The C... Students E-Campus RD Web Access Season 5New episo... Moodle Dashboard DAICT Intranet Entelechy

Microsoft Word - HarborInvoice.docx

1 / 1 | 100% + |

Adventure Works Cycles
National Harbor
Marketing and Business division
Customer Service
Tel: 45 35 15 55 – Fax: 45 85 16 15

44540710
Invoice nb
N B 455 009 98

Stopover
Ship
In
Out
Rate

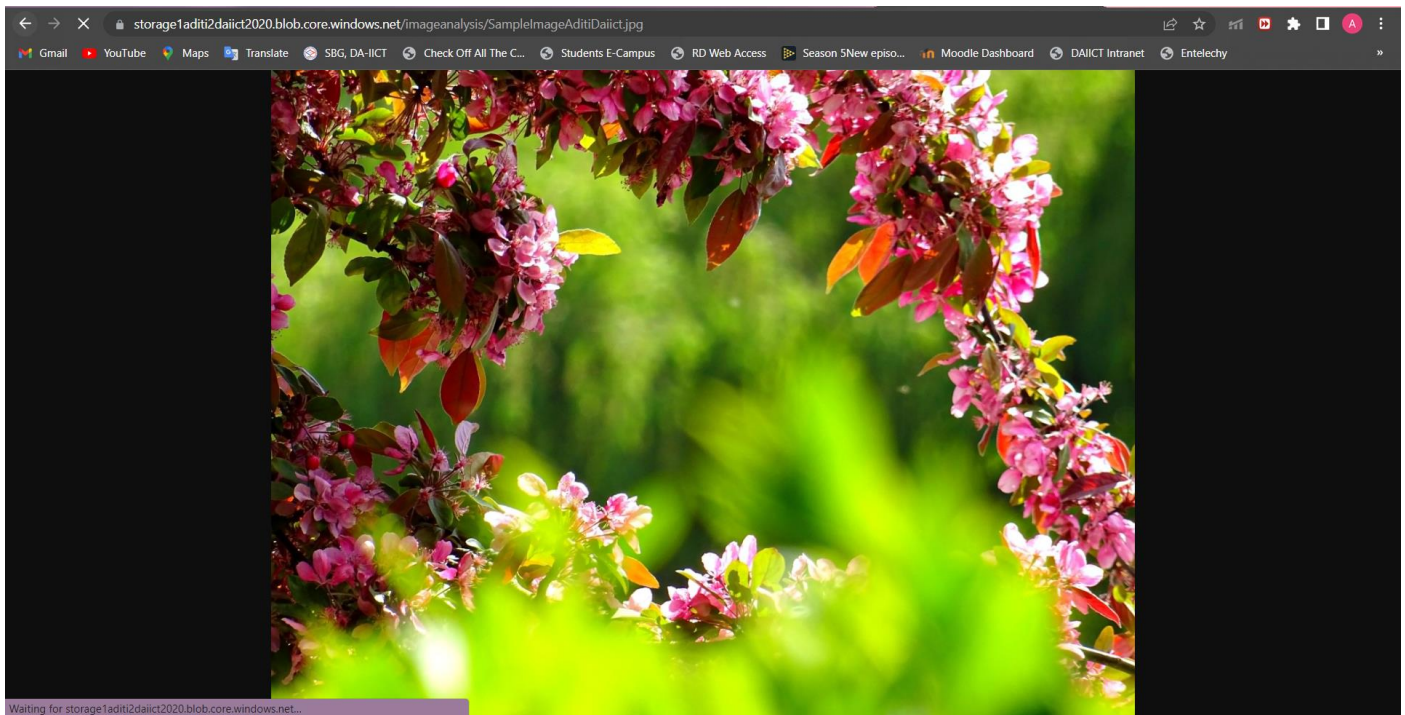
15/ 06/ 18
1902201
AS MULTIPLA
11/ 08/ 18
13/ 08/ 18

CUSTOMER: 029 PEUGEOT

SEJ: 3 NB E/S: 1

Realization	Unit	Quantity	Unit Price	Amount
TAX I SPS		1	10000	10000, 00
Ship monitoring	TJ	18358	0,239	101873, 00
Cleaning	TJ	18358	0,199	147599, 00
Stay tax	TJ	18358	0,445	388066, 00
Lighthouse	TJ	18358	0,233	25921, 00
Ship monitoring	TJ	18358	0,239	101873, 00
Cleaning	TJ	18358	0,199	147599, 00
Stay tax	TJ	18358	0,445	388066, 00
Lighthouse	TJ	18358	0,233	25921, 00
Ship monitoring	TJ	18358	0,239	101873, 00
Cleaning	TJ	18358	0,199	147599, 00
Stay tax	TJ	18358	0,445	388066, 00
Lighthouse	TJ	18358	0,233	25921, 00

Sample Image:

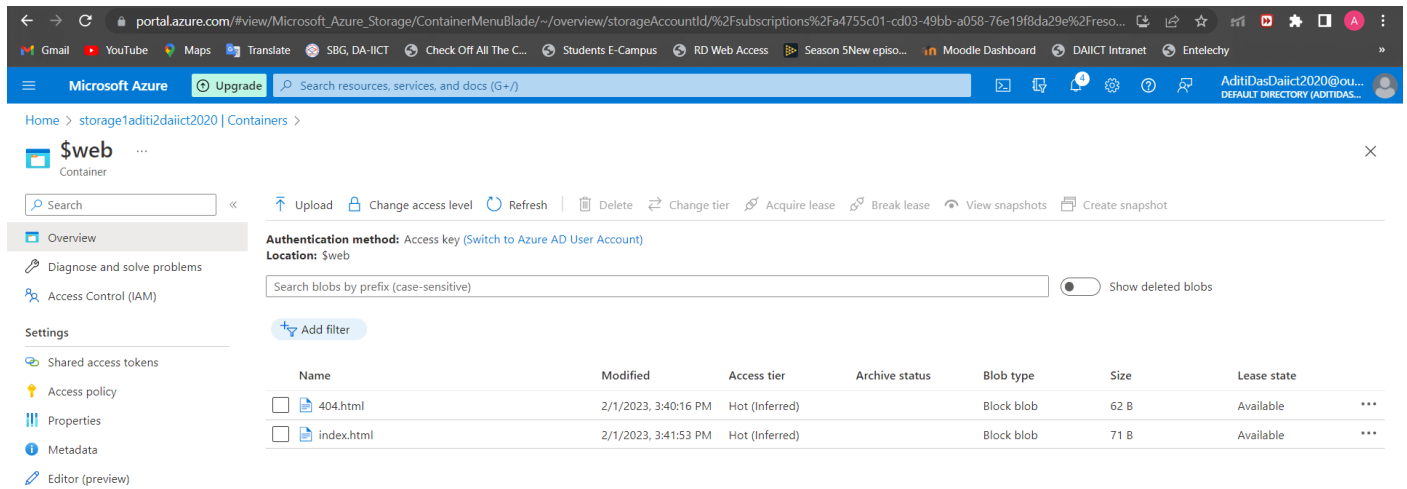


Code [For Local Host]:

```
{
  "IsEncrypted": false,
  "Values": {
    "AzureWebJobsStorage": "UseDevelopmentStorage=true",
    "FUNCTIONS_WORKER_RUNTIME": "dotnet",
    "StorageConnection":
"DefaultEndpointsProtocol=https;AccountName=storage1aditi2daiict2020;AccountKey=Tt3bq4QhH5
ZrR1xhd0cystpRLHjEWQIiUUaAOjvxqh5HmkvFC811KK0CKch80B8CBbdWBVISczlT+AStRAa96w==;EndpointSuf
fix=core.windows.net,,,,
    ",: null,: null,: null,: null,
    "StorageAccountName": "storage1aditi2daiict2020",
    "ComputerVisionKey": "72f44d2a69d5458ca1bcc5e99078daa5",
    "ComputerVisionEndPoint":
"https://msdocscomputervisionaditidasdaiict2020.cognitiveservices.azure.com/"
  }
}
```

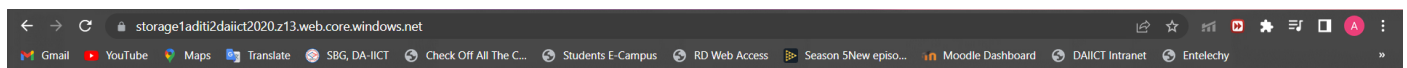
2. Complete the following tutorial about static content website hosting:

Static Hosting [Container]:



The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes the Microsoft Azure logo, an 'Upgrade' button, and a search bar. The breadcrumb trail indicates the path: Home > storage1aditi2daiict2020 | Containers >. The main content area displays the '\$web' container overview. On the left, there is a sidebar with options: Overview (selected), Diagnose and solve problems, Access Control (IAM), Settings, Shared access tokens, Access policy, Properties, Metadata, and Editor (preview). The main area shows the container's authentication method as 'Access key' and its location as '\$web'. Below this, there is a search bar for blobs and a 'Show deleted blobs' toggle. A table lists the blobs in the container:

Name	Modified	Access tier	Archive status	Blob type	Size	Lease state
404.html	2/1/2023, 3:40:16 PM	Hot (Inferred)		Block blob	62 B	Available
index.html	2/1/2023, 3:41:53 PM	Hot (Inferred)		Block blob	71 B	Available



The screenshot shows a web browser window with the address bar displaying 'storage1aditi2daiict2020.z13.web.core.windows.net'. The browser's address bar, tabs, and navigation buttons are visible. The main content area of the browser displays the text 'Hello World!'.

404 - Page does not exist

Code:

Index.html:

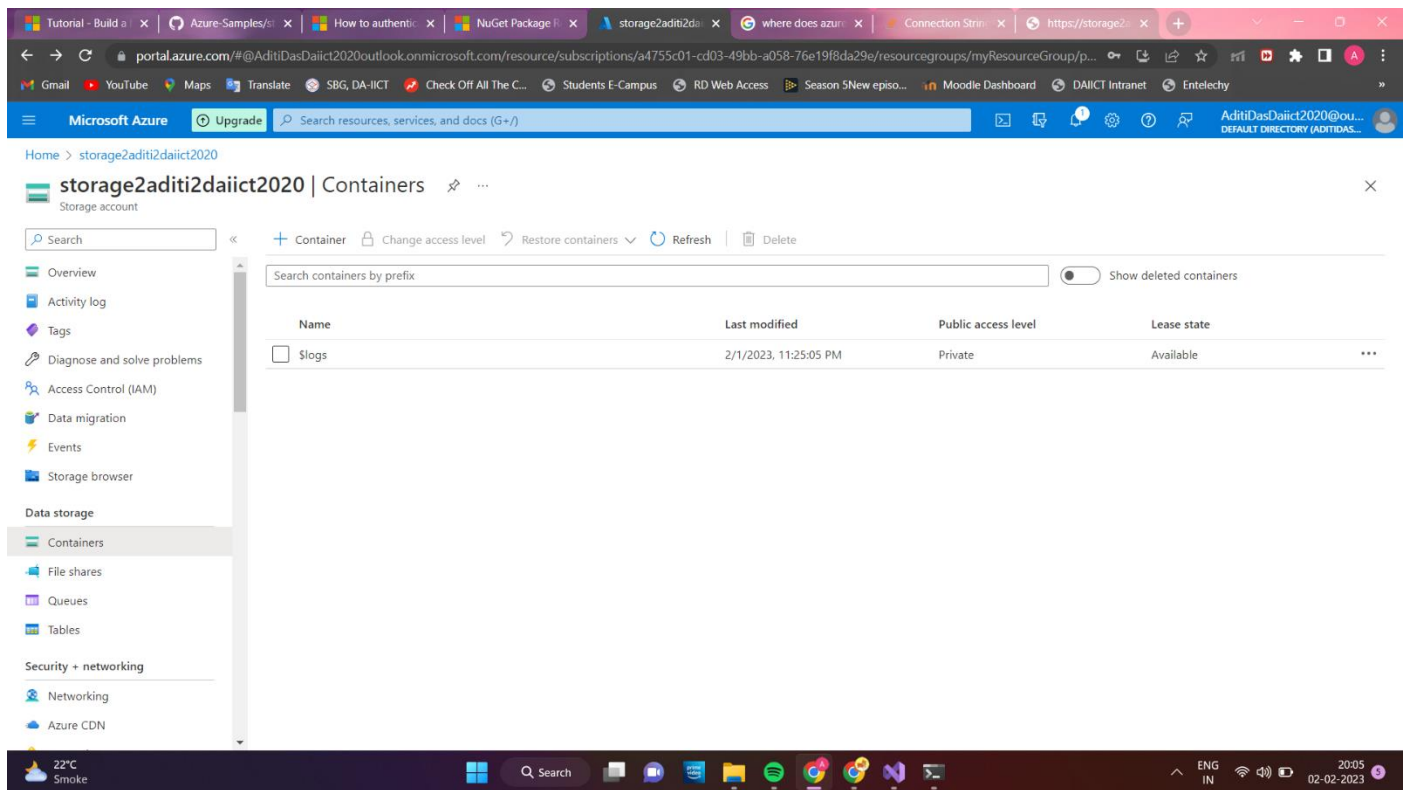
```
<html>
  <body>
    <h1>Hello World!</h1>
  </body>
</html>
```

404.html:

```
<!DOCTYPE html>
<html>
  <body>
    <h1>404 - Page does not exist</h1>
  </body>
</html>
```

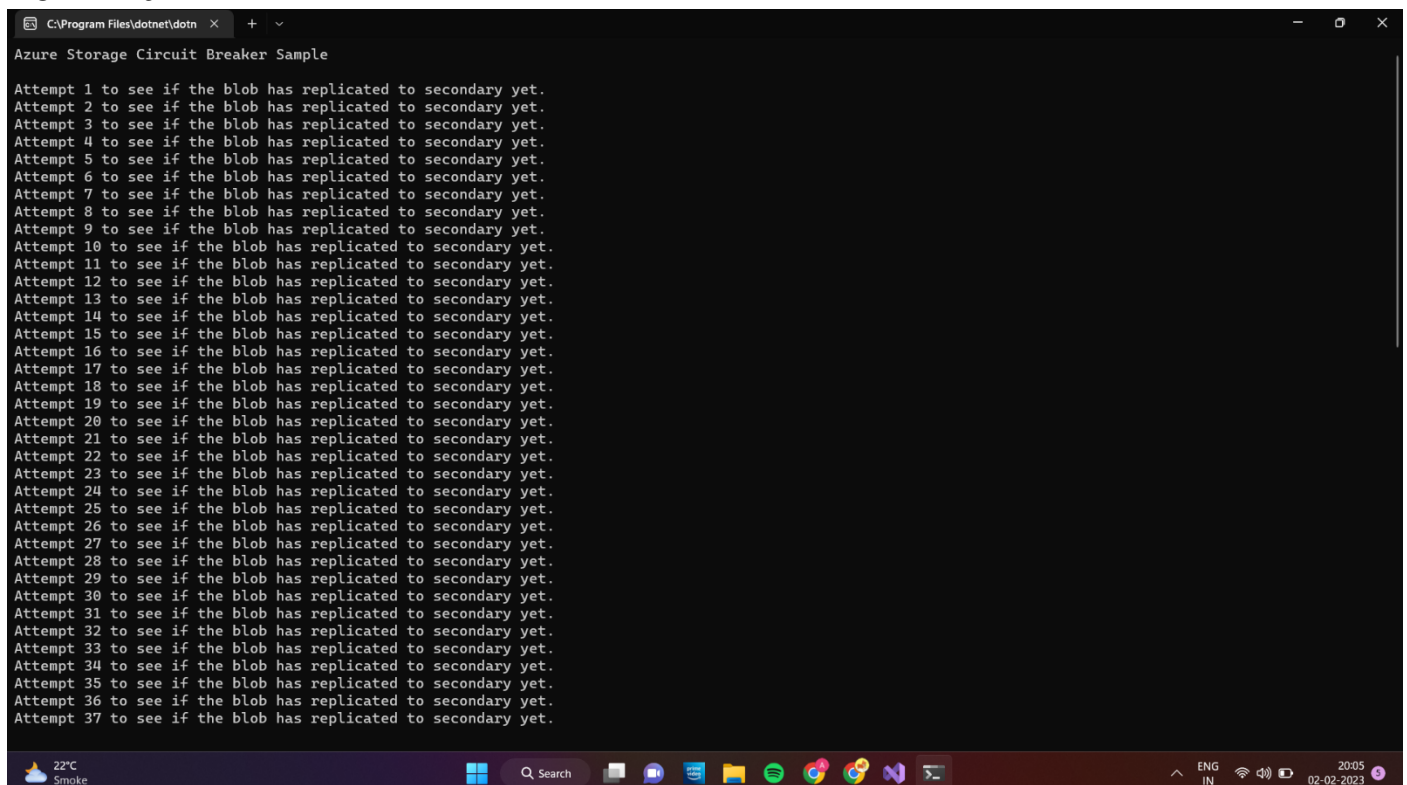
3. Complete following tutorial for designing application with high availability.

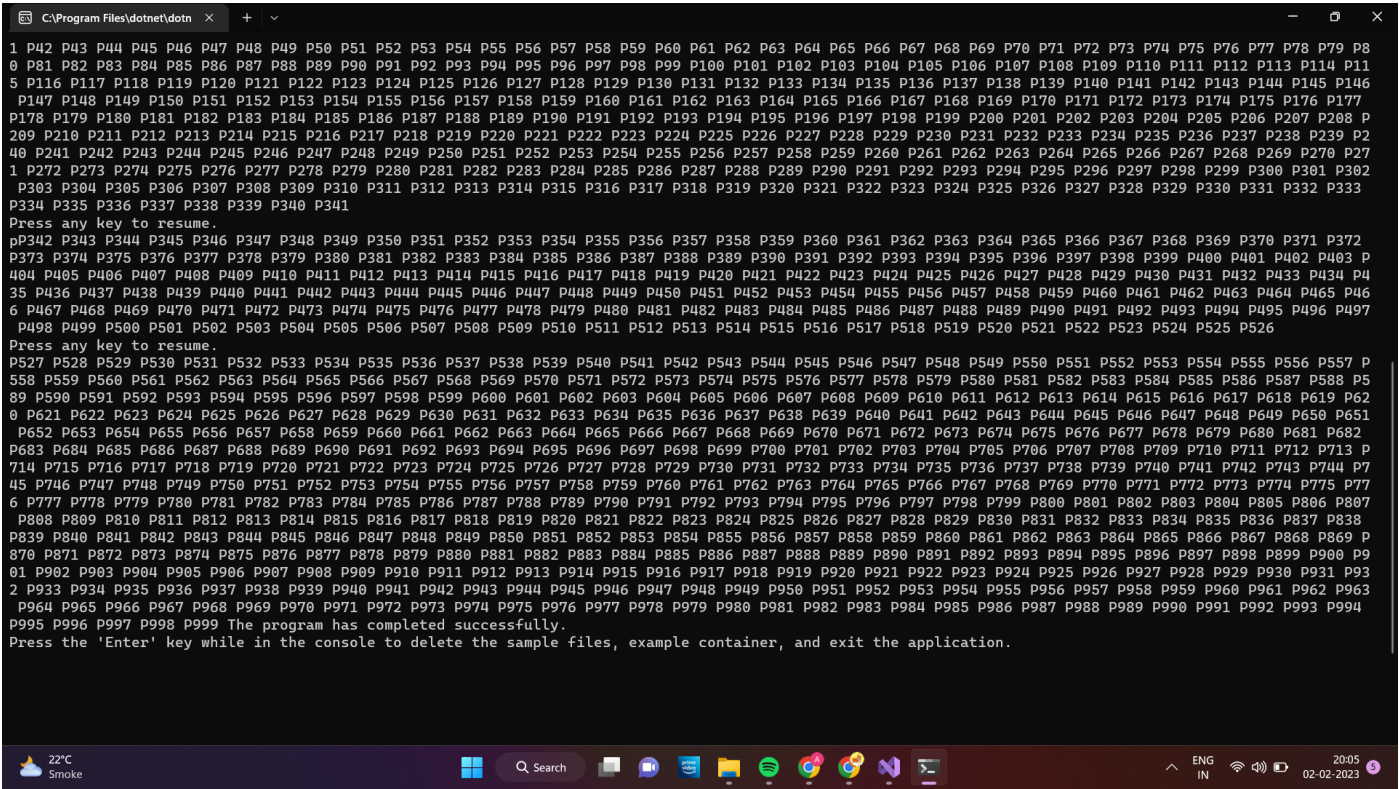
Initially :



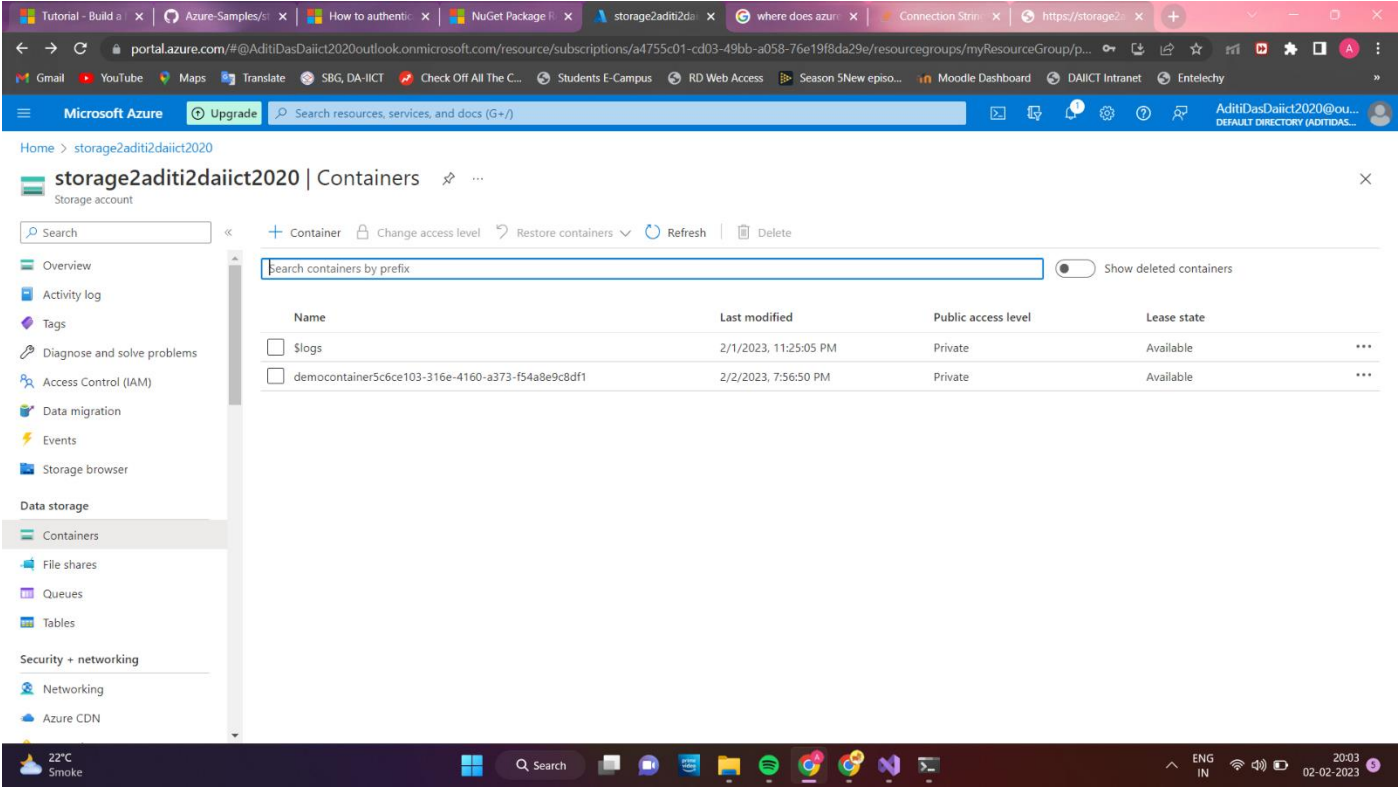
After running code:

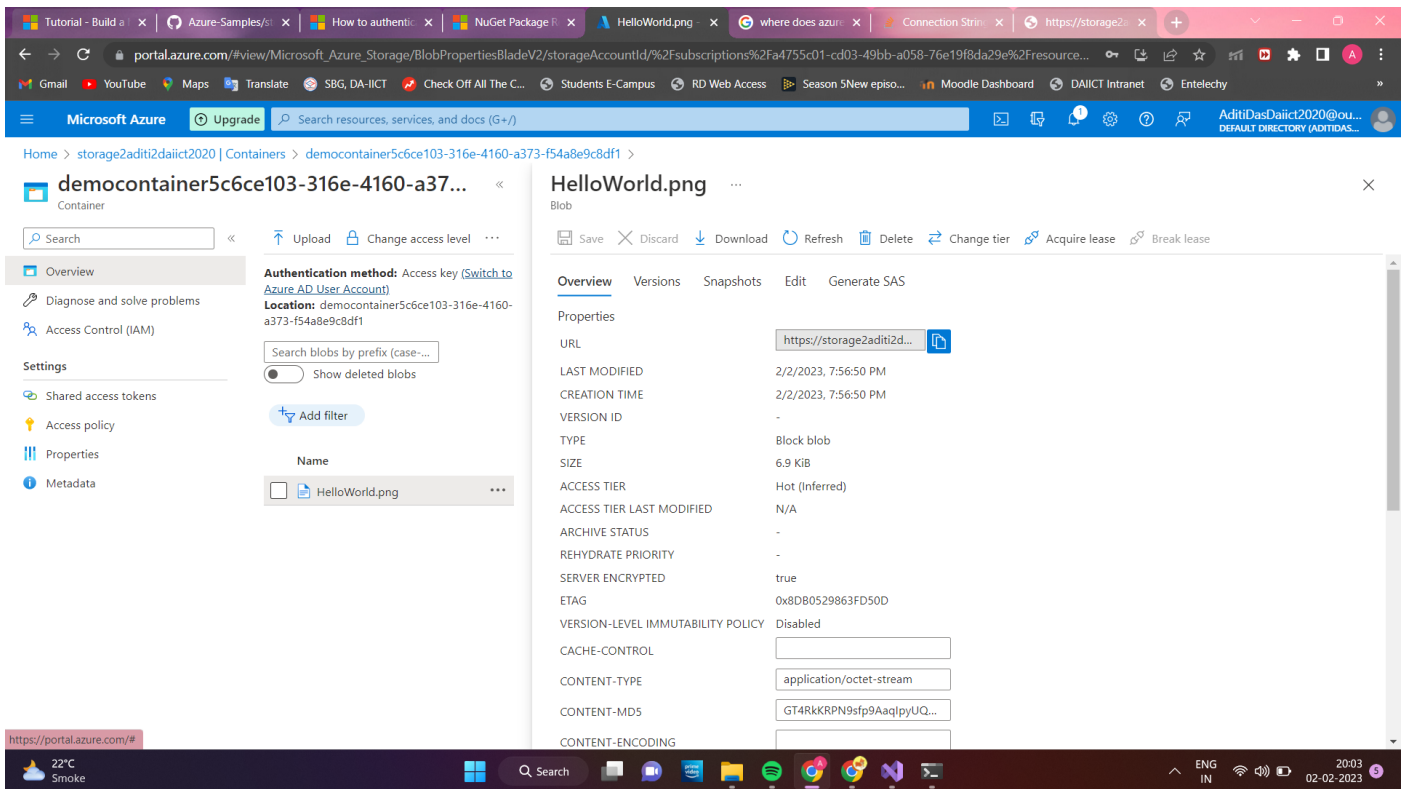
Terminal :





Demo Container:





Code [Here, I have used v11]:

```
string storageConnectionString =
"DefaultEndpointsProtocol=https;AccountName=storage2aditi2daiict2020;AccountKey=YTE757BYxt
lW506VlYkTpJZ933sU7yCExtASstmXQTvF0m6fRF2gKa3CXe89WhyCIxy4B2Kc4ce+AStnsBNcQ==;EndpointSuf
fix=core.windows.net";

CloudStorageAccount storageAccount =
CloudStorageAccount.Parse(storageConnectionString);
blobClient = storageAccount.CreateCloudBlobClient();

// Make the container unique by using a GUID in the name.
string containerName = "democontainer" + System.Guid.NewGuid().ToString();
container = blobClient.GetContainerReference(containerName);

try
{
    await container.CreateIfNotExistsAsync();
}
catch
{
    Console.WriteLine("Please make sure you have put the correct storage
connection string in the environment variable 'storageconnectionstring'.");
    Console.ReadLine();
    throw;
}
```


4. Complete the tutorial to add role assignment to blobs

Adding roles to users:

The screenshot shows the 'Add role assignment' page in the Azure portal. The breadcrumb navigation is 'Home > Resource groups > myResourceGroup | Access control (IAM) > Add role assignment'. The 'Members' tab is selected, showing a table with one member: Aditi Das (User). The 'Selected role' is 'Storage Blob Data Reader'. The 'Assign access to' section has 'User, group, or service principal' selected. The 'Description' field contains 'Read access to blobs with the tag Project=Virtual'. At the bottom, there are buttons for 'Review + assign', 'Previous', and 'Next'.

Role **Members** Conditions (optional) Review + assign

Selected role Storage Blob Data Reader

Assign access to ☒ User, group, or service principal ☐ Managed identity

Members + Select members

Name	Object ID	Type
Aditi Das	a52f7f74-ad4a-4f76-ab24-15052c0fbcff	User

Description Read access to blobs with the tag Project=Virtual

Review + assign Previous Next

Storage Blob Data Reader role:

The screenshot shows the Azure portal interface. On the left, the 'container-aditidas2020' container is selected under 'Storage accounts > storage2aditi2daiict2020 | Containers > container-aditidas2020'. The 'Overview' tab is active, showing the authentication method as 'Azure AD User Account' and the location as 'container-aditidas2020'. A list of blobs is shown, with 'Virtual_Reality.docx' selected. On the right, the 'Virtual_Reality.docx' blob is displayed, showing its content: 'Virtual Reality' followed by a paragraph about VR. The status bar at the bottom indicates the time is 00:51 on 03-02-2023.

Virtual_Reality.docx

Blob

Save Discard Download Refresh Delete

Overview Versions Snapshots Edit Generate SAS

The file 'Virtual_Reality.docx' may not render correctly as it contains an unrecognized extension.

```
1 Virtual Reality
2 Virtual reality (VR) is a simulated experience that employs pose tracking and 3D near-eye displays to give the
3 Currently, standard virtual reality systems use either virtual reality headsets or multi-projected environment
4
5
```

Preview

Reader role:

You do not have access

AuthorizationFailed

Summary	
Session ID 4e5f2f840d364854b5e9bb797c9e6a9f	Resource ID /subscriptions/a4755c01-cd03-49bb-a058-76e19f8da29e/...
Extension Microsoft_Azure_Storage	Content BlobPropertiesBladeV2
Error code 403	Storage Request ID 2db00848-1069-4ae1-b555-2902053a6d12

Details

- The client 'aditi02@aditidasdaiict2020outlook.onmicrosoft.com' with object id 'a52f7f74-ad4a-4f76-ab24-15052c0fbccf' does not have authorization to perform action 'Microsoft.Storage/storageAccounts/listKeys/action' over scope '/subscriptions/a4755c01-cd03-49bb-a058-76e19f8da29e/resourceGroups/myResourceGroup/providers/Microsoft.Storage/storageAccounts/storage2aditi2daiict2020' or the scope is invalid. If access was recently granted, please refresh your credentials.
- [Learn more about authorizing access to Azure Storage](#)