

**EXP :7**

**DATE : 10-02-2023**

**CREATE A STORAGE SERVICE USING ANY PUBLIC CLOUD SERVICE PROVIDER (AZURE) AND CHECK THE PUBLIC ACCESSIBILITY OF THE STORED FILE TO DEMONSTRATE STORAGE AS A SERVICE.**

**AIM:**

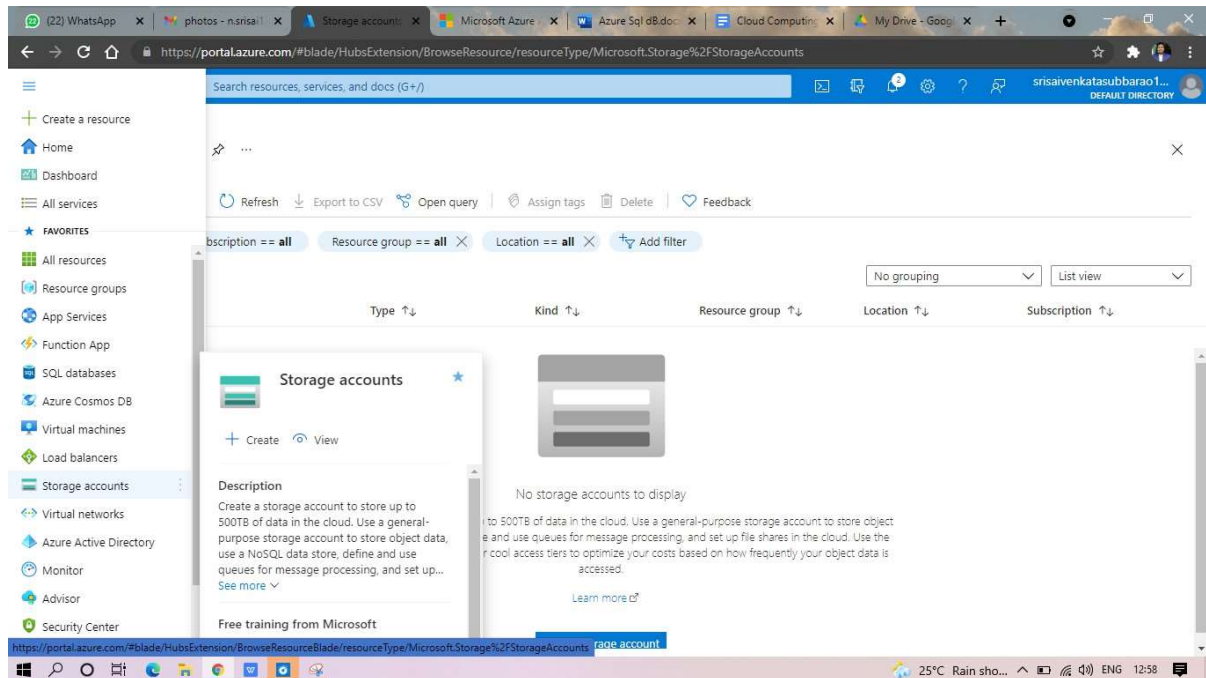
To Create a storage service using any public cloud service provider (azure) and check the public accessibility of the stored file to demonstrate storage as a service.

**PROCEDURE:**

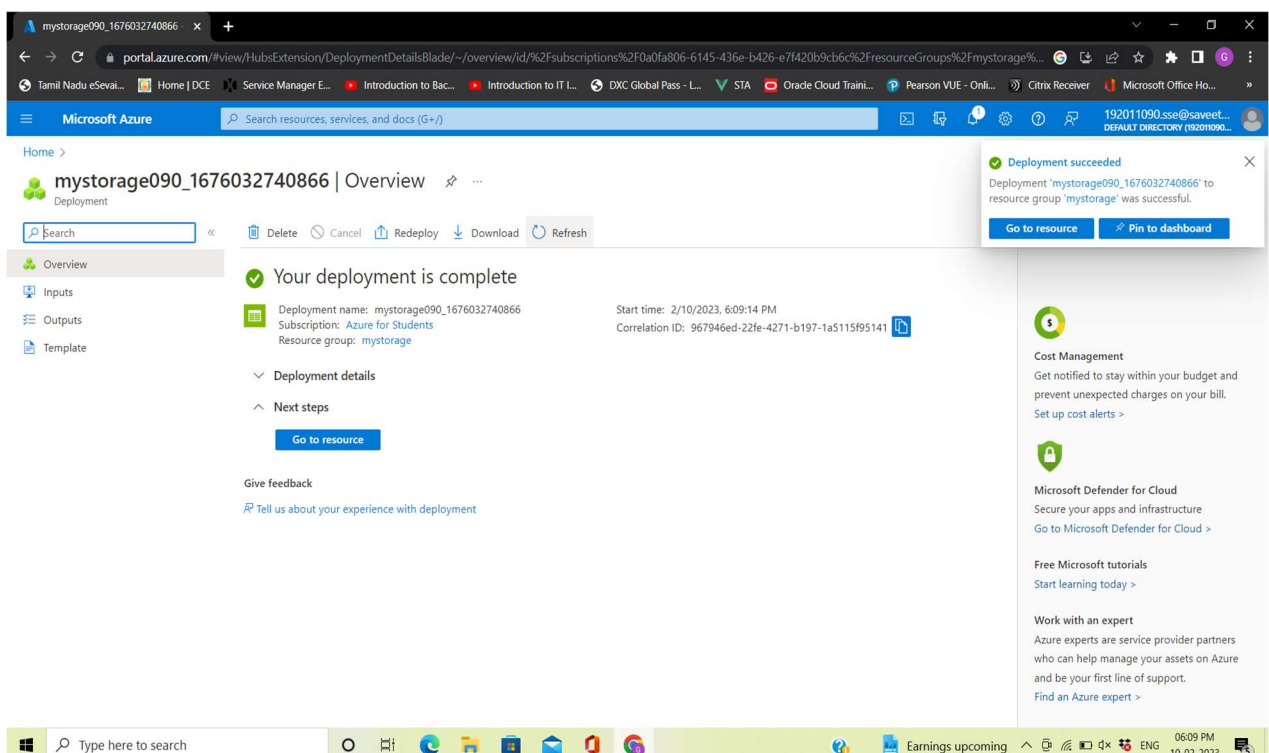
1. Open azure and go to storage accounts and create storage account
2. Enter the resource group and storage account name and review and create and click the create and your storage account will be deployed successfully.
3. And our storage account is created.
4. Go to static website
5. Enable and enter your index and error html files names.
6. Go to storage explorer(review) and go to blob containers and web and upload the two html files
7. Again return to storage and open your file

# IMPLEMENTATION:

## STEP1: OPEN AZURE AND GOTO STORAGE ACCOUNTS AND CREATESTORAGE ACCOUNT



## STEP2: ENTER THE RESOURC GROUP AND STORAGE ACCOUNT NAME AND REVIEW AND CREATE AND CLICK TH CREATE AND YOUR STORAGE ACCOUNT WILL BE DEPLOYED SUCCESSFULLY



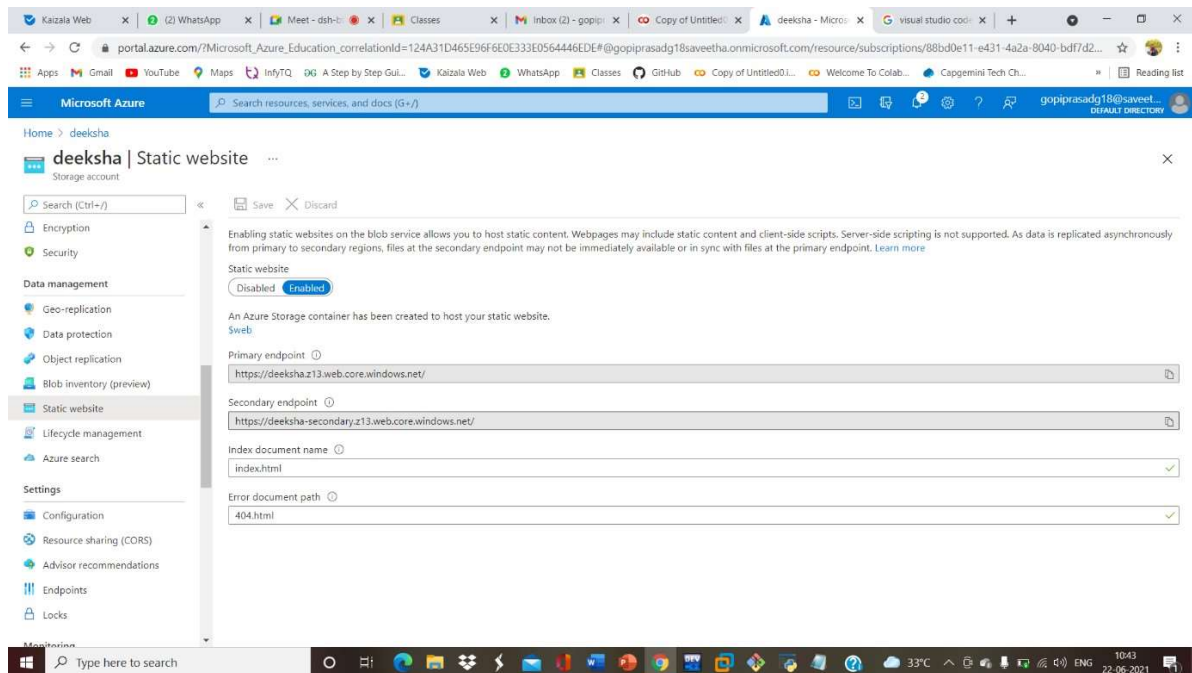
## STP3: AND OUR STORAGE ACCOUNT IS CREATED.

The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes the Microsoft Azure logo, a search bar, and user information. The left sidebar contains a navigation menu with categories like Overview, Activity log, Tags, Diagnose and solve problems, Access Control (IAM), Data migration, Events, Storage Explorer (preview), Data storage, Containers, File shares, Queues, Tables, Security + networking, and Networking. The main content area displays the 'recordstoragesubbarao' storage account overview. It includes a search bar, action buttons (Open in Explorer, Delete, Move, Refresh, Feedback), and a notification about upgrading to the new alerts platform. The 'Essentials' section lists key properties: Resource group (Record), Location (East US), Primary/Secondary Location (Primary: East US, Secondary: West US), Subscription (Azure for Students), Subscription ID (db4eee0b-1e34-4be0-9c9c-65cc8d398405), Disk state (Primary: Available, Secondary: Available), Performance/Access tier (Standard/Hot), Replication (Read-access geo-redundant storage (RA-GRS)), Account kind (StorageV2 (general purpose v2)), Provisioning state (Succeeded), and Created (7/21/2021, 1:01:05 PM). Below this, there are tabs for Properties, Monitoring, Capabilities (7), Recommendations, Tutorials, and Developer Tools. The 'Properties' tab is active, showing 'Blob service' and 'Security' sections with various settings like Hierarchical namespace (Disabled), Default access tier (Hot), Blob public access (Enabled), Require secure transfer for REST API operations (Enabled), Storage account key access (Enabled), and Minimum TLS version (Version 1.2).

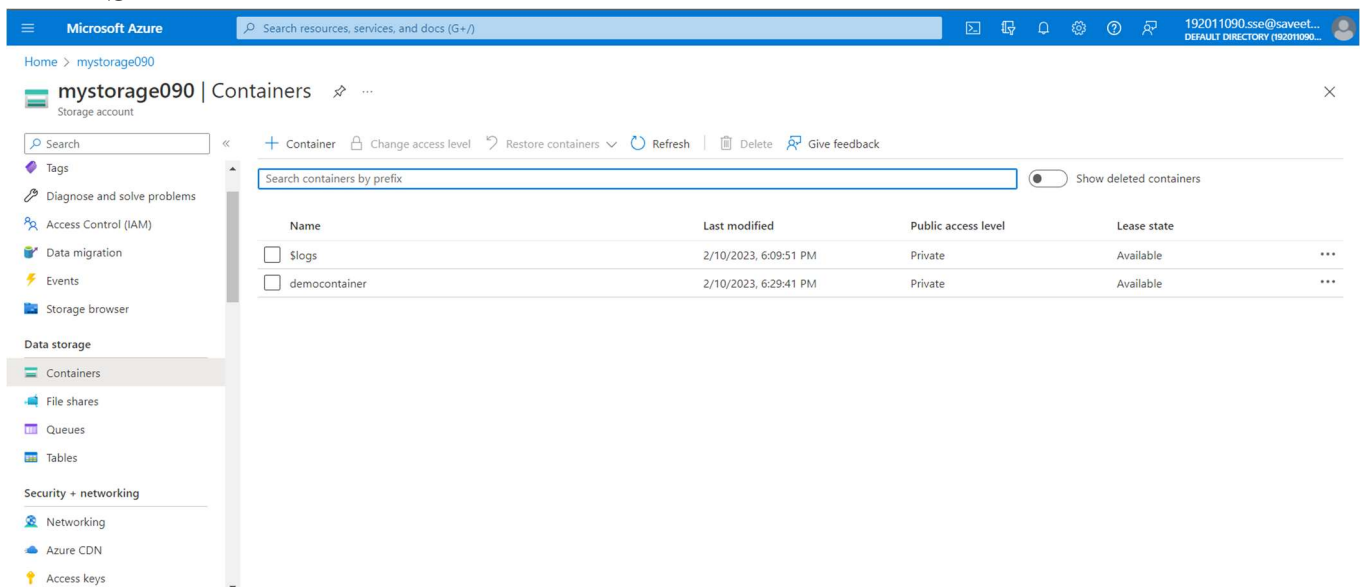
## STEP5: GOTO STORAGE EXPLORER

The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes the Microsoft Azure logo, a search bar, and user information. The left sidebar contains a navigation menu with categories like Overview, Activity log, Tags, Diagnose and solve problems, Access Control (IAM), Data migration, Events, Storage browser, Data storage, Containers, File shares, Queues, Tables, Security + networking, and Networking. The main content area displays the 'mystorage090' storage account overview. It includes a search bar, action buttons (Upload, Open in Explorer, Delete, Move, Refresh, Open in mobile, CLI / PS), and a 'JSON View' link. The 'Essentials' section lists key properties: Resource group (mystorage), Location (East US), Subscription (Azure for Students), Subscription ID (0a0fa806-6145-436e-b426-e7f420b9cb6c), Disk state (Available), Performance (Standard), Replication (Locally-redundant storage (LRS)), Account kind (StorageV2 (general purpose v2)), Provisioning state (Succeeded), and Created (2/10/2023, 6:09:23 PM). Below this, there are tabs for Properties, Monitoring, Capabilities (7), Recommendations (0), Tutorials, and Developer Tools. The 'Properties' tab is active, showing 'Blob service' and 'Security' sections with various settings like Hierarchical namespace (Disabled), Default access tier (Hot), Require secure transfer for REST API operations (Enabled), and Storage account key access (Enabled). At the bottom, there is a pagination bar showing 'Page 1 of 1' and a URL: https://portal.azure.com/#@192011090ssesaveetha.onmicrosoft.com/resource/su...

## STEP6: AND ENABLE AND ENTER YOUR INDEX AND ERROR HTMLFILES NAMES.



## STEP7: AND GOTO STORAGE EXPLORER(REVIEW) AND GOTO BLOB CONTAINERS AND WEB AND UPLOAD THE TWO HTML FILES



## STEP8: AND AGAIN RETURN TO STORAGE YOU CAN SEE YOUR UPLOADED FILES.

The screenshot displays the Microsoft Azure portal interface. On the left, the navigation pane shows the 'democontainer' storage account under 'Storage accounts > mystorage090 | Containers > democontainer'. The 'Overview' tab is selected, showing the authentication method as 'Access key (Switch to Azure AD User Account)' and the location as 'democontainer'. A search bar for blobs is present, and a table lists the uploaded file '1.cpp'. On the right, a code editor window titled '1.cpp' is open, showing the following C++ code:

```
1 #include <stdio.h>
2 struct student
3 {
4     char name[10];
5     int roll_no;
6 }cse;
7 int main()
8 {
9     struct student cse[3];
10    int i;
11    for(i=0;i<3;i++)
12    {
13        printf("Enter Name,Rollno:\n");
14        scanf("%s%d",&cse[i].name,&cse[i].roll_no);
15    }
16    for(i=0;i<3;i++)
17    {
```

The code editor also shows a dropdown menu for 'C++' and a 'Preview' button.

## RESULT:

Hence the storage service using any public cloud service provider (azure) and check the public accessibility of the stored file to demonstrate storage as a service is Completed.