

# Lab 7: Question from Insem Paper.

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# **Question 8:**

## Code Used: -

```
using Azure.Storage.Blobs;
using System;
using System.IO;
using System.Security.Cryptography;
using System. Threading. Tasks;
class Program
    static async Task Upload_Large_FTB(string connection_str, string filep,
string cname, string bname)
        BlobServiceClient blobclient = new BlobServiceClient(connection_str);
        BlobContainerClient cclient = blobclient.GetBlobContainerClient(cname);
        BlobClient blobClient = cclient.GetBlobClient(bname);
        long blockS = 4 * 1024 * 1024; // 4MB block size
        byte[] buff = new byte[blockS];
        using (FileStream fileStream = File.OpenRead(filep))
            long file size = fileStream.Length;
            long byteloaded = 0;
            string[] blkIds = new string[(int)Math.Ceiling((double)file_size /
blockS)];
           while (byteloaded < file size)</pre>
                int bytesRead = await fileStream.ReadAsync(buff, 0,
(int)Math.Min(blockS, file_size - byteloaded));
               using (MD5 md5 = MD5.Create())
```

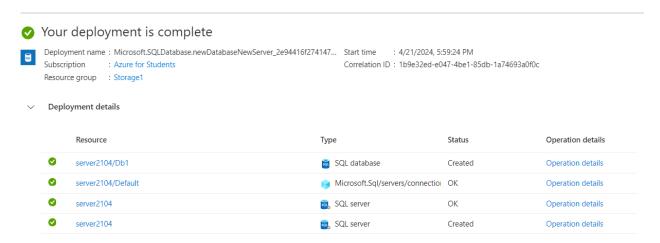


```
byte[] blkHash = md5.ComputeHash(buff, 0, bytesRead);
                    string blkId = Convert.ToBase64String(blkHash);
                    using (MemoryStream mstream = new MemoryStream(buff, 0,
bytesRead))
                        await blobClient.StageBlockAsync(blkId, mstream);
                    blkIds[byteloaded / blockS] = blkId;
                byteloaded += bytesRead;
            await blobClient.CommitBlockListAsync(blkIds);
        Console.WriteLine("File uploaded successfully.");
    static async <u>Task</u> Main(string[] args)
        string connection_str = "<your_connection_string>";
        string filep = "<path_to_your_file>";
        string cname = "<your_container_name>"; // container name
        string bname = "<your_blob_name>"; // blob name
        await Upload_Large_FTB(connection_str, filep, cname, bname);
```



# Question 11: -

# Creating SQL database: -



```
CREATE TABLE GameData (
2
        GameID INT PRIMARY KEY,
3
        ChildID INT,
4
        Answer NVARCHAR(100),
5
        Timestamp DATETIME,
6
        Score INT
    );
```

# Creating blob storage: -

✓ Your deployment is complete

Deployment name: storage134244\_1713704839747 Subscription: Azure for Students

Start time: 4/21/2024, 6:39:17 PM

Correlation ID: 711f004d-aaaa-49f5-922d-8bce620831c9

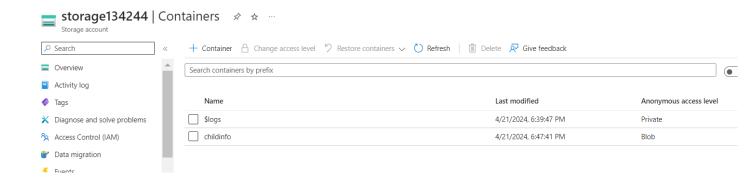
Resource group: cloud-shell-storage-centralindia

### ∧ Deployment details

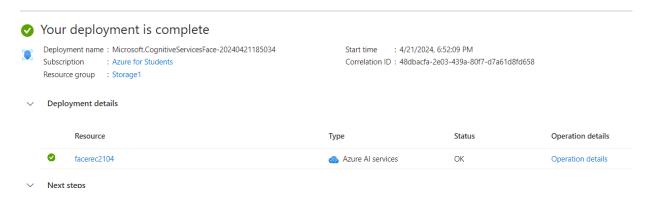
	Resource	Туре	Status	Operation details
<b>Ø</b>	storage134244/default	Microsoft.Storage/storageAccounts/filese	OK	Operation details
<b>②</b>	storage134244/default	Microsoft.Storage/storageAccounts/blob	OK	Operation details
<b>②</b>	storage134244	Microsoft.Storage/storageAccounts	OK	Operation details



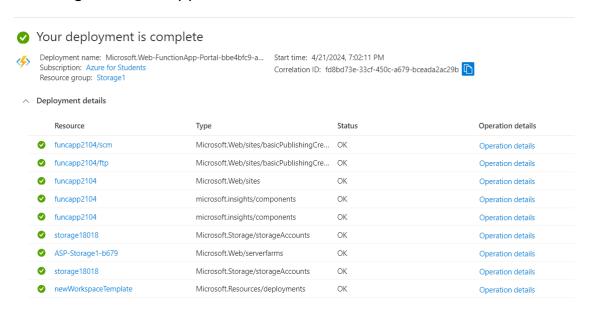
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# Creating Face API: -

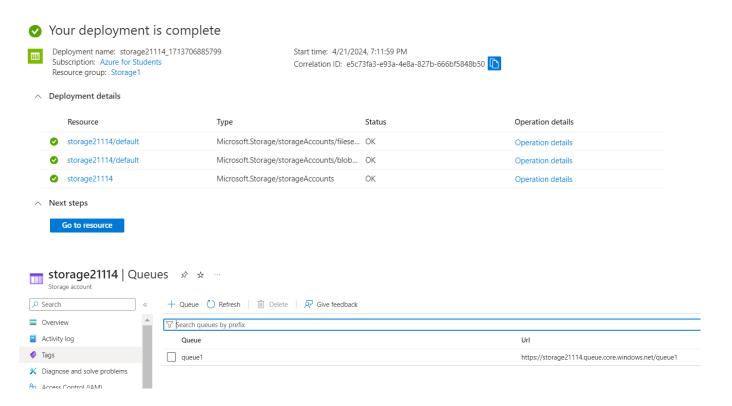


# Creating Function App: -

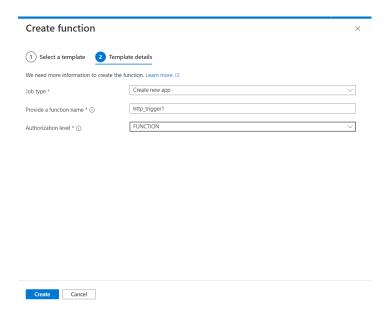




# Creating Queue storage: -

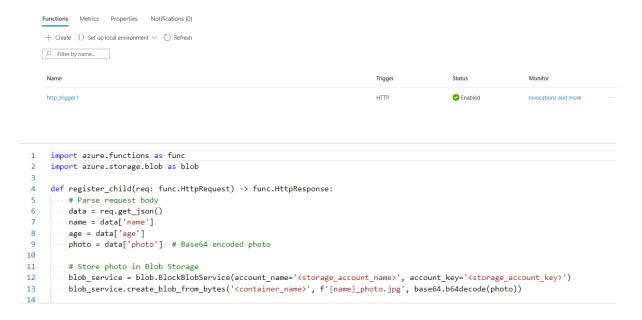


# Creating function in function app: -





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# Result: -

