

Name	Murali Krishnan.R
Roll No	SSNCE195001304
Date	16 October 2022
Team ID	PNT2022TMID53061
Project Name	Project - Personal Expense Tracker

Assignment - 3

Object Storage and Watson Chat Bot

Question

1. Create a Bucket in IBM object storage.
2. Upload an 5 images to ibm object storage and make it public. write html code to displaying all the 5 images.
3. Upload a css page to the object storage and use the same page in your HTML code.
4. Design a chatbot using IBM Watson assistant for hospital. Ex: User comes with query to know the branches for that hospital in your city. Submit the web URL of that chat bot as a assignment.
5. Create Watson assistant service with 10 steps and use 3 conditions in it. Load that script in HTML page.

Solutions

1. Create a Bucket in IBM object storage

- Create a object storage from the catalog in IBM Cloud
- Create a new bucket in the object storage
- An unique name should be given to new bucket

IBM Cloud

Cloud Object Storage

Storage instances

Cloud Object Storage-e7

Buckets

Integrations

Endpoints

Usage details

Service credentials

Connections

Plan

Search resources and products...

CatalogManageMurali Krishnan's Acco...

Buckets

Buckets serve as containers for objects, and can be individually configured in terms of their location, resiliency, billing rates, security, and object lifecycle rules.

Search

Create bucket

Name	Public access	Location	Storage class	Created
muralibucket	Yes	jp-tok	Smart Tier	2022-10-31 3:24 PM

IBM Cloud

Cloud Object Storage

Storage instances

Cloud Object Storage-e7

Buckets

Integrations

Endpoints

Usage details

Service credentials

Connections

Plan

Search resources and products...

CatalogManageMurali Krishnan's Acco...

Storage / Cloud Object Storage-e7 /

muralibucket

TransfersDetailsActions...

Objects

Configuration

Permissions

If you're seeing more usage than expected, versions count towards your usage or you may have incomplete uploads [Learn more](#)

Prefix filter

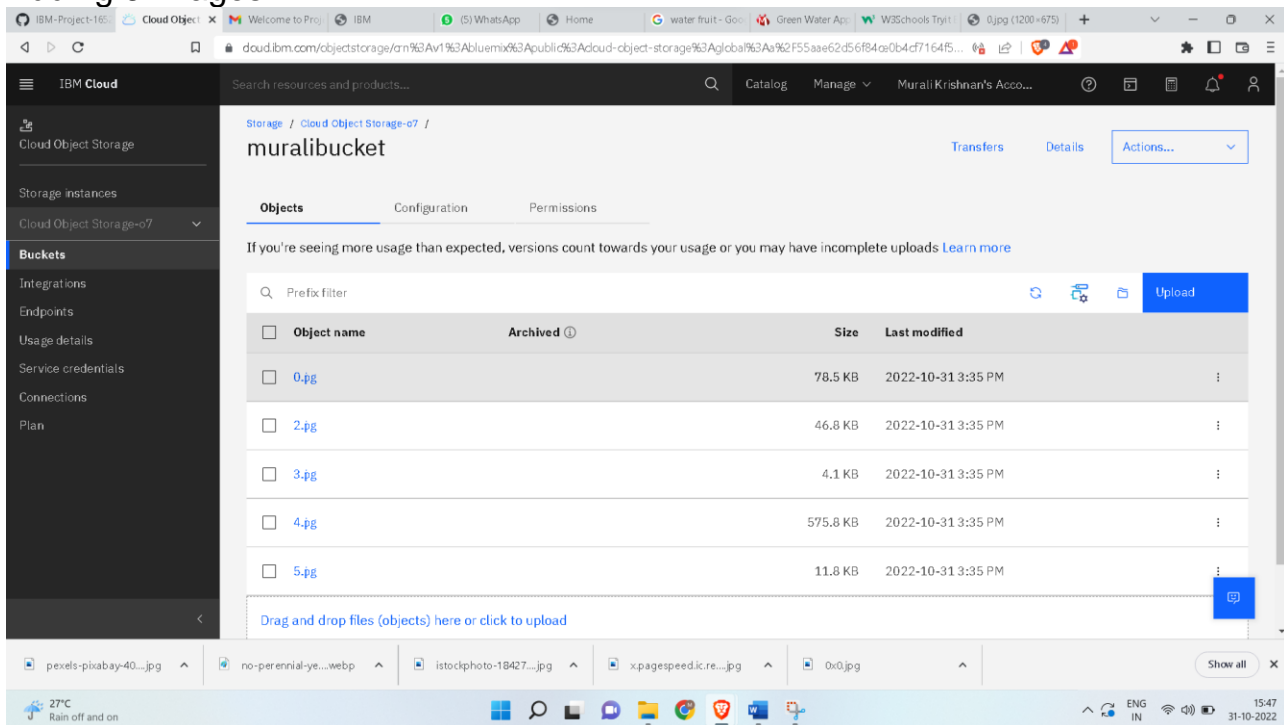
Upload

Object name	Archived	Size	Last modified
0.jpg		78.5 KB	2022-10-31 3:35 PM
2.jpg		46.8 KB	2022-10-31 3:35 PM
3.jpg		4.1 KB	2022-10-31 3:35 PM
4.jpg		575.8 KB	2022-10-31 3:35 PM
5.jpg		11.8 KB	2022-10-31 3:35 PM

Drag and drop files (objects) here or click to upload

2. Upload 5 images to ibm object storage and make it public. write html code to display all the 5 images.

Adding 5 images



The screenshot shows the IBM Cloud Object Storage console interface. The left sidebar contains navigation options: Cloud Object Storage, Storage instances, Cloud Object Storage-o7, Buckets, Integrations, Endpoints, Usage details, Service credentials, Connections, and Plan. The main content area displays the 'muralibucket' details, including tabs for Objects, Configuration, and Permissions. The 'Objects' tab is active, showing a list of 5 uploaded images with their names, sizes, and last modified dates. The images are: 0.jpg (78.5 KB), 2.jpg (46.8 KB), 3.jpg (4.1 KB), 4.jpg (575.8 KB), and 5.jpg (11.8 KB). All images were uploaded on 2022-10-31 at 3:35 PM. The interface also includes a search bar, a 'Prefix filter' input, and an 'Upload' button. A message at the bottom of the object list states: 'Drag and drop files (objects) here or click to upload'.

Object name	Archived	Size	Last modified
0.jpg		78.5 KB	2022-10-31 3:35 PM
2.jpg		46.8 KB	2022-10-31 3:35 PM
3.jpg		4.1 KB	2022-10-31 3:35 PM
4.jpg		575.8 KB	2022-10-31 3:35 PM
5.jpg		11.8 KB	2022-10-31 3:35 PM

Making it to public

The screenshot shows the IBM Cloud Object Storage console interface. The left sidebar contains navigation links: IBM Cloud, Cloud Object Storage, Storage instances, Cloud Object Storage-o7, Buckets (highlighted), Integrations, Endpoints, Usage details, Service credentials, Connections, and Plan. The main content area is titled 'muralibucket' and has tabs for Objects, Configuration, and Permissions (selected). Under the 'Permissions' tab, the 'Bucket access policies' section is visible. It includes a warning message: 'Warning: Granting Public access to this bucket will allow anyone to access the bucket. To revoke public access, remove the "Public access" policy from this bucket within Access groups'. Below the warning, the 'Public access' policy is shown with a status of 'Enabled' and a role of 'Content Reader'. A description at the bottom states: 'As a Content Reader, one can read and list objects in the bucket.' The bottom of the screen shows a Windows taskbar with various application icons and a system tray displaying the date and time as 15:47 on 31-10-2022.

IBM Cloud

Search resources and products...

Cloud Object Storage

Storage instances

Cloud Object Storage-o7

Buckets

Integrations

Endpoints

Usage details

Service credentials

Connections

Plan

muralibucket

Transfers Details Actions...

Objects Configuration **Permissions**

Bucket access policies

Manage access to this bucket by creating IAM policies for users and service IDs. Users and service IDs must also have an instance level viewer role (or higher) to use the console or to list buckets using the REST API.

Access policies

Public access

Warning:
Granting Public access to this bucket will allow anyone to access the bucket. To revoke public access, remove the "Public access" policy from this bucket within [Access groups](#) [Learn more](#) X

Status: **Enabled**

Role for this bucket:

Content Reader

As a Content Reader, one can read and list objects in the bucket.

pexels-pixabay-40...jpg no-perennial-ye...webp istockphoto-18427...jpg x-pagespeed.ic.re...jpg 0x0.jpg Show all X

27°C Rain off and on

15:47 31-10-2022

Display the 5 images obtained from my newly created bucket

IBM-Project-165 Cloud Object Storage Welcome to Proj IBM (5) WhatsApp Home water fruit - Go Green Water Ap W3Schools 0.jpg (1200x675)


w3schools.com/html/tryit.asp?filename=tryhtml_default


Home HTML Try HTML


Run


Result Size: 838 x 669 Get your own website


```
<!DOCTYPE html>
<html>
<head>
<title>Page Title</title>
</head>
<body>
<ol id="populate"></ol>
<script>
var list = ["0", "2", "3", "4", "5"];
var url =
  "https://s3.jp-tok.cloud-object-storage.appdomain.cloud/muralibucket/";
var arrayLength = list.length;
var ul = document.getElementById("populate");
for (var i = 0; i < arrayLength; i++) {
  var li = document.createElement("li");
  var img = document.createElement("img");
  img.setAttribute("src", url + list[i] + ".jpg");
  img.setAttribute("width", "200");
  img.setAttribute("height", "200");
  li.appendChild(img);
  ul.appendChild(li);
}
</script>
</body>
</html>
```

1. 

2. 

3. 

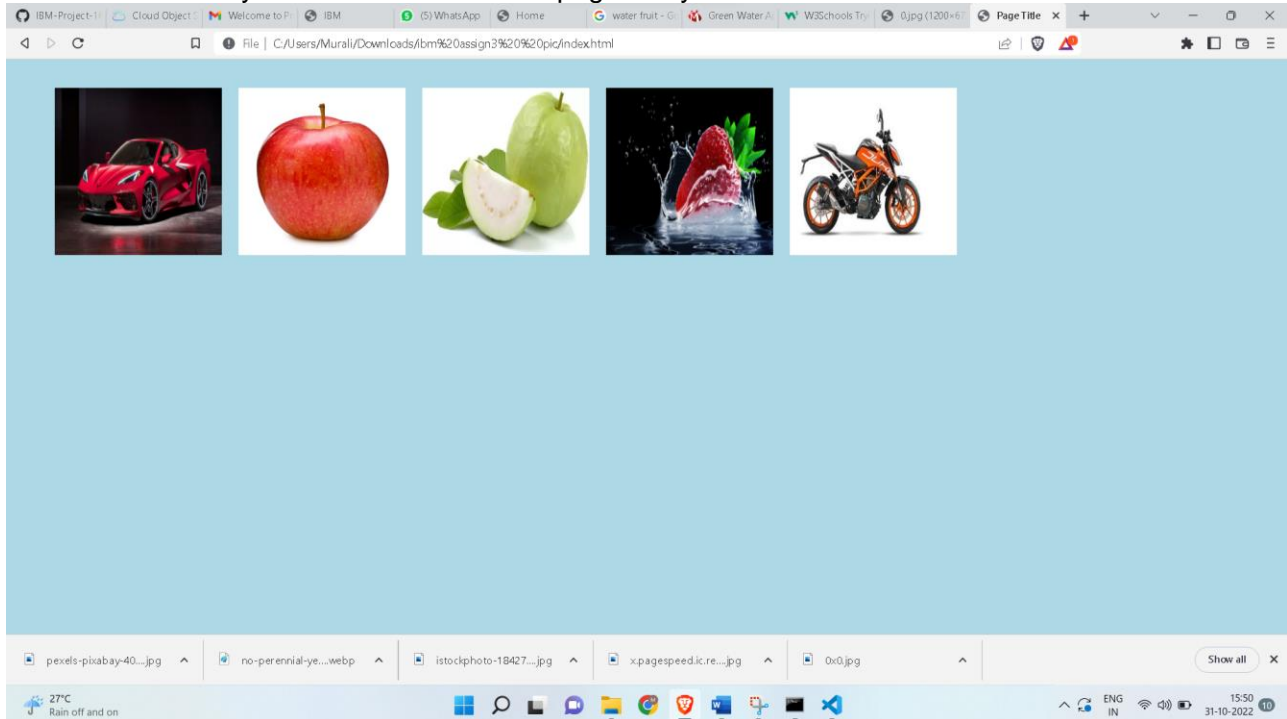
4. 

5. 

Taskbar: 27°C Rain off and on, ENG IN, 15:45 31-10-2022

3. Upload a css page to the object storage and use the same page in your HTML code.

Added css file in my bucket and use the css page in my above html



Code Files

index.html :

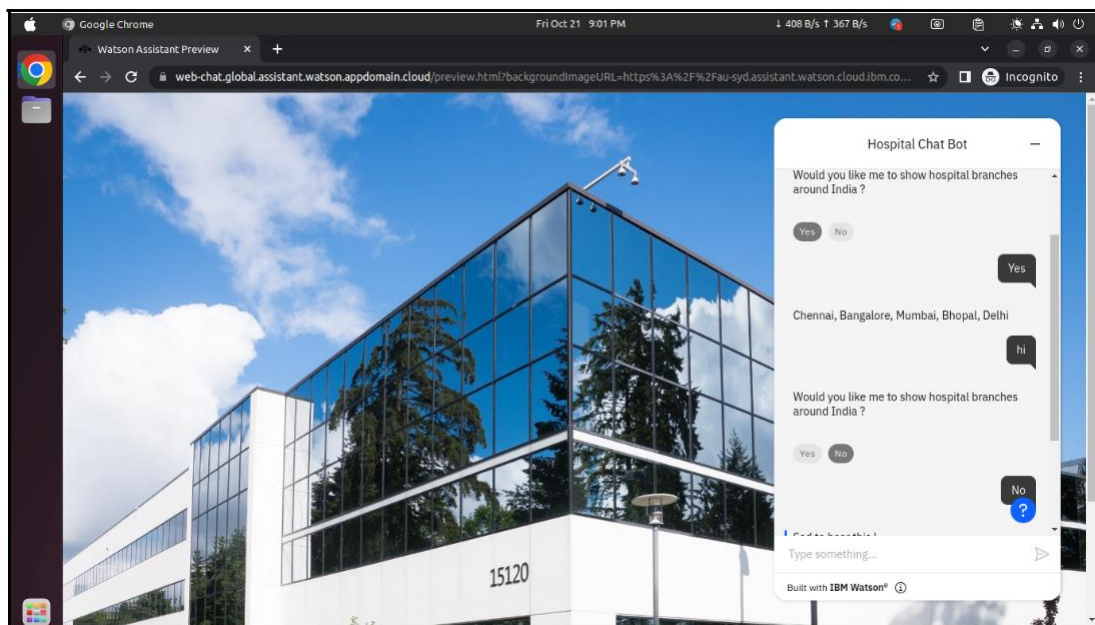
```
<!DOCTYPE html>
<html>
  <head>
    <title>Page Title</title>
    <link rel="stylesheet" href="./style.css"/>
  </head>
  <body>
    <ol id="populate"></ol>
    <script>
      var list = ["0", "2", "3", "4", "5"];
      var url =
        "https://s3.jp-tok.cloud-object-storage.appdomain.cloud/muralibucket/";
      var arrayLength = list.length;
      var UL = document.getElementById("populate");
      for (var i = 0; i < arrayLength; i++) {
        var li = document.createElement("li");
        var img = document.createElement("img");
        img.setAttribute("src", url + list[i] + ".jpg");
        img.setAttribute("width", "200");
        img.setAttribute("height", "200");
        li.appendChild(img);
        UL.appendChild(li);
      }
    </script>
  </body>
</html>
```



helper1.css

```
body {  
  display: -webkit-flex;  
  background-color: lightblue;  
  
  display: flex;  
}  
  
li {  
  padding: 10px;  
  display: inline-block;  
}
```

4. Design a chatbot using IBM Watson assistant for hospital. Ex: User comes with a query to know the branches for that hospital in your city. Submit the web URL of that chat bot as an assignment.



Web URL - [Watson Assistant Bot](#)

5. Create a Watson assistant service with 10 steps and use 3 conditions in it. Load that script in the HTML page.

Created a watson assistant service with 10 steps and used 3 conditions in it

Actions Screenshot

The image displays three screenshots of a Watson Assistant dialog flow titled "Book appointment".

First Screenshot (Steps 1-3):

- Step 1:** "Sure. I can make it for you !" with a "Continue to next step" button.
- Step 2:** "Please provide your name." with a "Free text" input field and a "Continue to next step" button.
- Step 3:** "Great! Select mail or phone number to reach you." with "Mobile" and "Email" buttons and a "Continue to next step" button.

Second Screenshot (Steps 4-6):

- Step 4:** "Great! Enter your mobile number." with a "Number" input field and a "Continue to next step" button.
- Step 5:** "Great! Please enter your email id." with a "Regex" input field and a "Continue to next step" button.
- Step 6:** "The available bookings are today and tomorrow. Please select anyone." with "Tomorrow" and "Today" buttons and a "Continue to next step" button.

Third Screenshot (Steps 7-10):

- Step 7:** "Sure! Your appointment is yet to be booked. Please confirm." with "Yes" and "No" buttons and a "Continue to next step" button.
- Step 8:** "Your appointment is booked successfully!" with a "Continue to next step" button.
- Step 9:** "No problem! Your booking is cancelled." with a "Continue to next step" button.
- Step 10:** "Thank You!" with a "Action complete" status and icons for a document and a trash can.

HTML page is created locally and loaded that script in the page

Page Screenshot

