Assignment -3
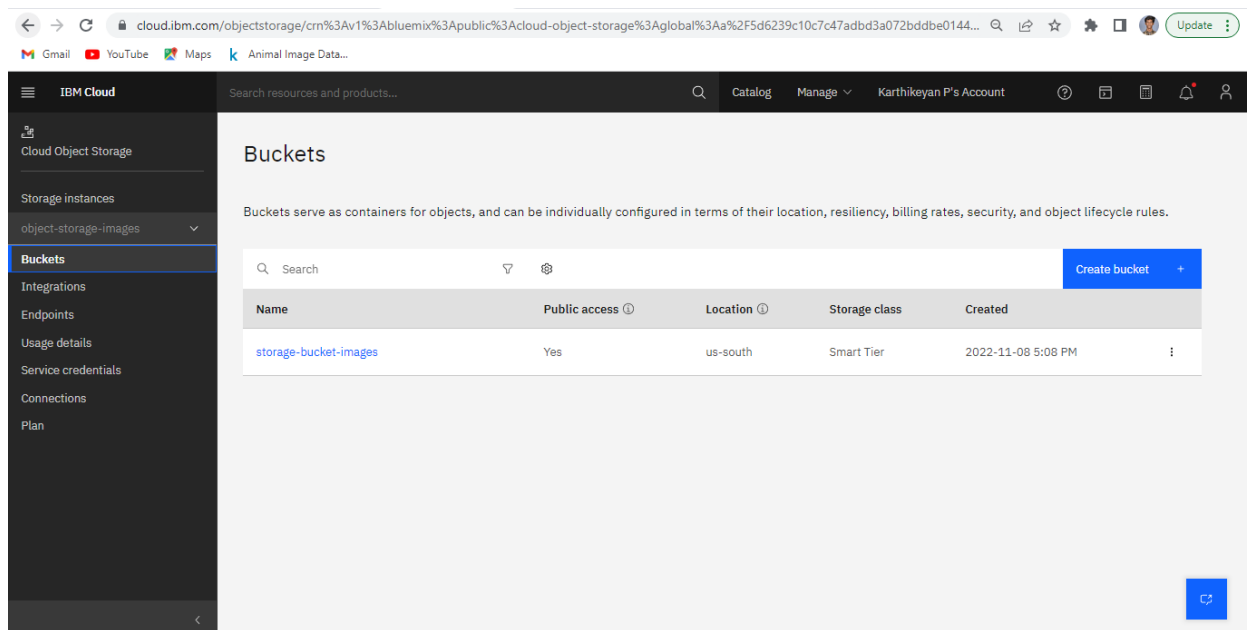## IBM Object Storage and IBM Watson Assistant

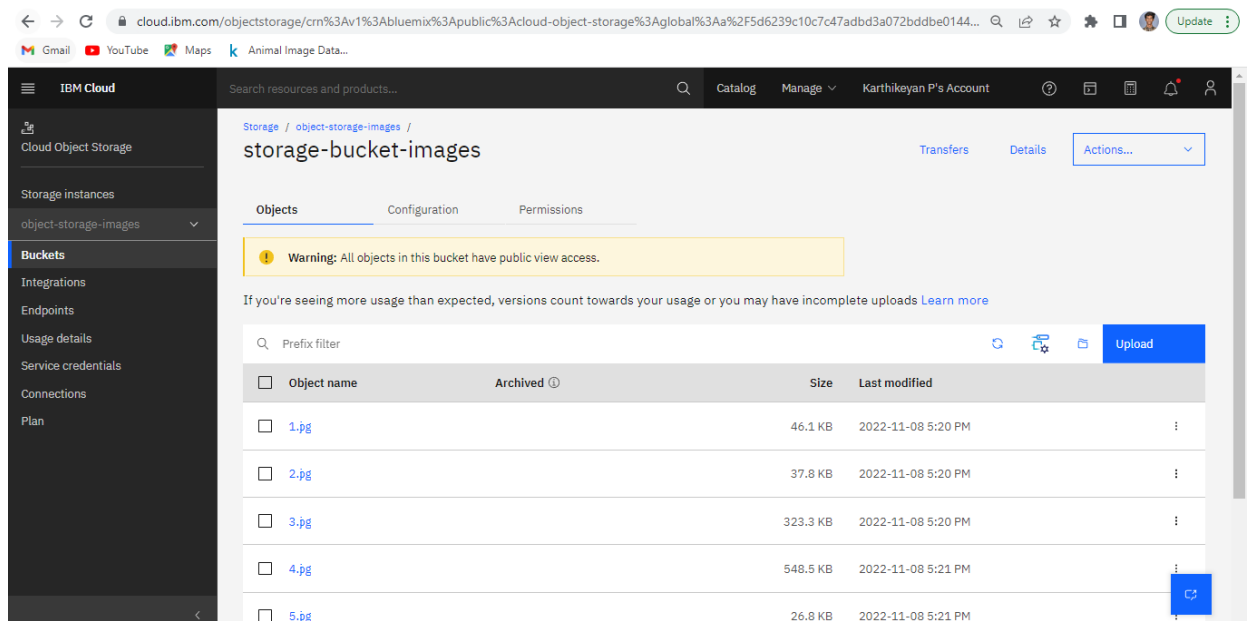|	
Assignment Date	07 November 2022
Student Name	Annamalai M
Student Roll Number	412519104006
Maximum Marks	2 Marks

Question-1:

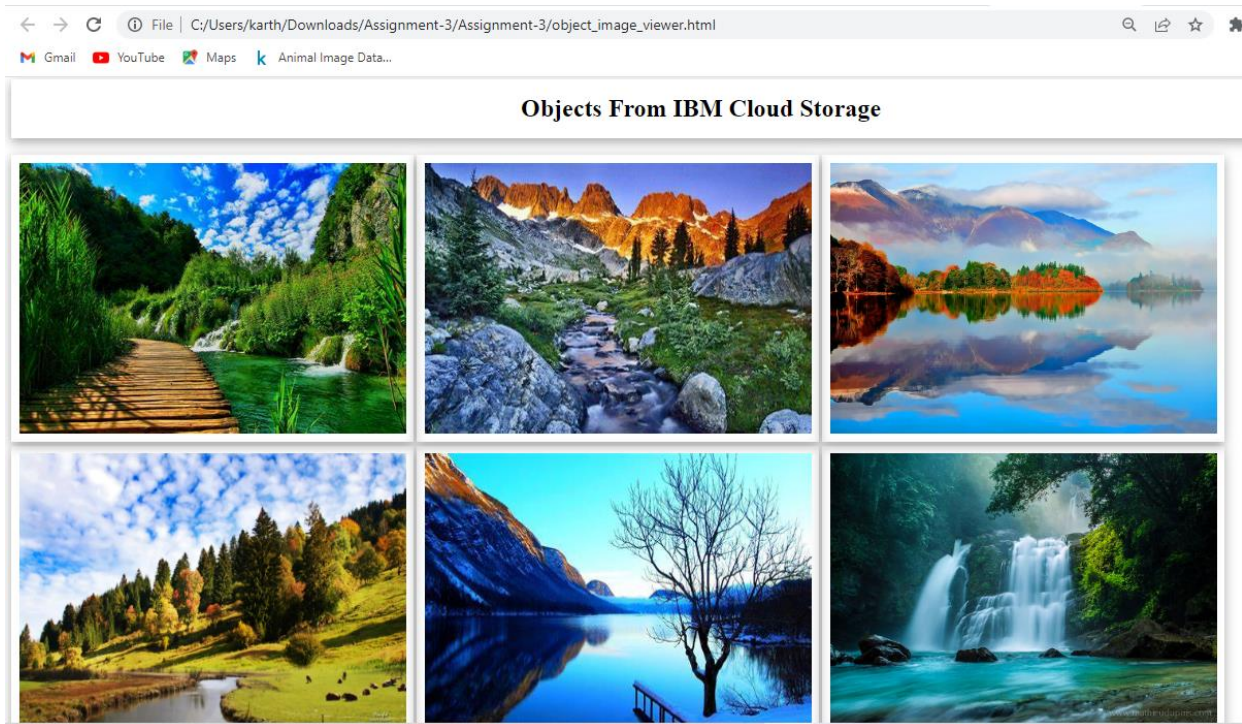Create a Bucket in IBM object storage.

Question-2:

Upload 5 images to IBM object storage and make it public. Write html code to displaying all the 5 images.

Object_image_viewer.html:

```html
<!DOCTYPE html>
    <head>
        <title>
            Object Storage Assignment
        </title>
        <link rel="stylesheet" href="https://object-storage-assignment-
3.s3.jp-tok.cloud-object-storage.appdomain.cloud/style.css">
    </head>
    <body>
        <div class="container">
            <h1 id="heading">Objects From IBM Cloud Storage</h1>
        </div>
        <div class="container">
            <img src="https://storage-bucket-images.s3.us-south.cloud-object-
storage.appdomain.cloud/1.jpg" id="Object_1" alt="Object_1" width="500"
height="350">
            <img src="https://storage-bucket-images.s3.us-south.cloud-object-
storage.appdomain.cloud/2.jpg" id="Object_2" alt="Object_2" width="500"
height="350">
            <img src="https://storage-bucket-images.s3.us-south.cloud-object-
storage.appdomain.cloud/3.jpg" id="Object_3" alt="Object_3" width="500"
height="350">
            <img src="https://storage-bucket-images.s3.us-south.cloud-object-
storage.appdomain.cloud/4.jpg" id="Object_4" alt="Object_4" width="500"
height="350">
            <img src="https://storage-bucket-images.s3.us-south.cloud-object-
storage.appdomain.cloud/5.jpg" id="Object_5" alt="Object_5" width="500"
height="350">
            <img src="https://storage-bucket-images.s3.us-south.cloud-object-
storage.appdomain.cloud/6.jpg" id="Object_6" alt="Object_5" width="500"
height="350">
        </div>
    </body>
</html>
```

Output:

Question-3:

Upload a css file to the object storage and use the same css using external link in your HTML page.

Solution:

Object_image_viewer.html:

```html
<!DOCTYPE html>
    <head>
        <title>
            Object Storage Assignment
        </title>
        <link rel="stylesheet" href="https://object-storage-assignment-3.s3.jp-tok.cloud-object-storage.appdomain.cloud/style.css">
    </head>
    <body>
        <div class="container">
            <h1 id="heading">Objects From IBM Cloud Storage</h1>
        </div>
        <div class="container">
            <img src="https://object-storage-assignment-3.s3.jp-tok.cloud-object-storage.appdomain.cloud/Image_object_1.jpg" id="Object_1" alt="Object_1" width="500" height="350">
            <img src="https://object-storage-assignment-3.s3.jp-tok.cloud-object-storage.appdomain.cloud/Image_object_2.jpg" id="Object_2" alt="Object_2" width="500" height="350">
            <img src="https://object-storage-assignment-3.s3.jp-tok.cloud-object-storage.appdomain.cloud/Image_object_3.jpg" id="Object_3" alt="Object_3" width="500" height="350">
            <img src="https://object-storage-assignment-3.s3.jp-tok.cloud-object-storage.appdomain.cloud/Image_object_4.jpg" id="Object_4" alt="Object_4" width="500" height="350">
            <img src="https://object-storage-assignment-3.s3.jp-tok.cloud-object-
```
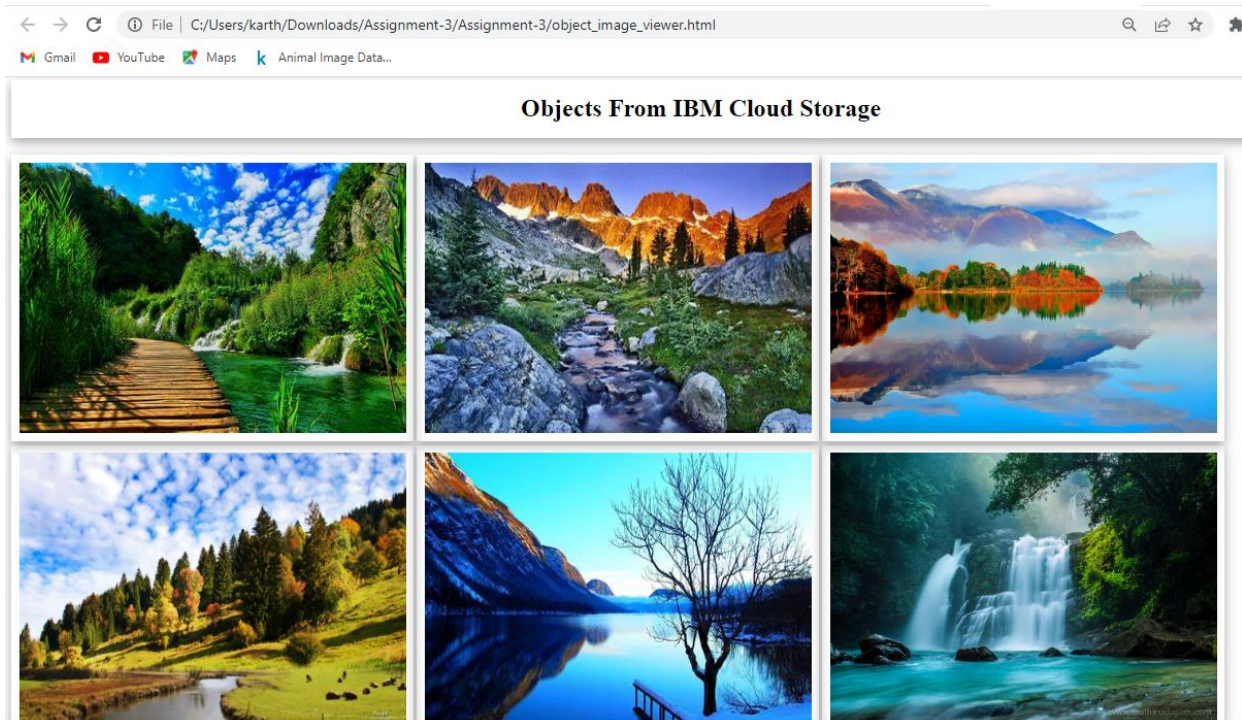
```
storage.appdomain.cloud/Image_object_5.jpg" id="Object_5" alt="Object_5"
width="500" height="350">
            <img src="https://object-storage-assignment-3.s3.jp-tok.cloud-object-
storage.appdomain.cloud/Image_object_6.jpg" id="Object_6" alt="Object_5"
width="500" height="350">
        </div>
    </body>
</html>
```

Style.css:

```
h1 {
    text-align: center;
    box-shadow: rgba(0, 0, 0, 0.35) 0px 5px 15px;
    padding: 20px 20px 20px 20px;
}
#heading{
    text-align: center;
    box-shadow: rgba(0, 0, 0, 0.35) 0px 5px 15px;
    padding: 20px 20px 20px 20px}
#Object_1, #Object_2, #Object_3, #Object_4, #Object_5, #Object_6{
    box-shadow: rgba(0, 0, 0, 0.35) 0px 5px 15px;
    padding: 10px 10px 10px 10px;
    width:"500";
    height:"350"
}
```

Output:

Question-4:

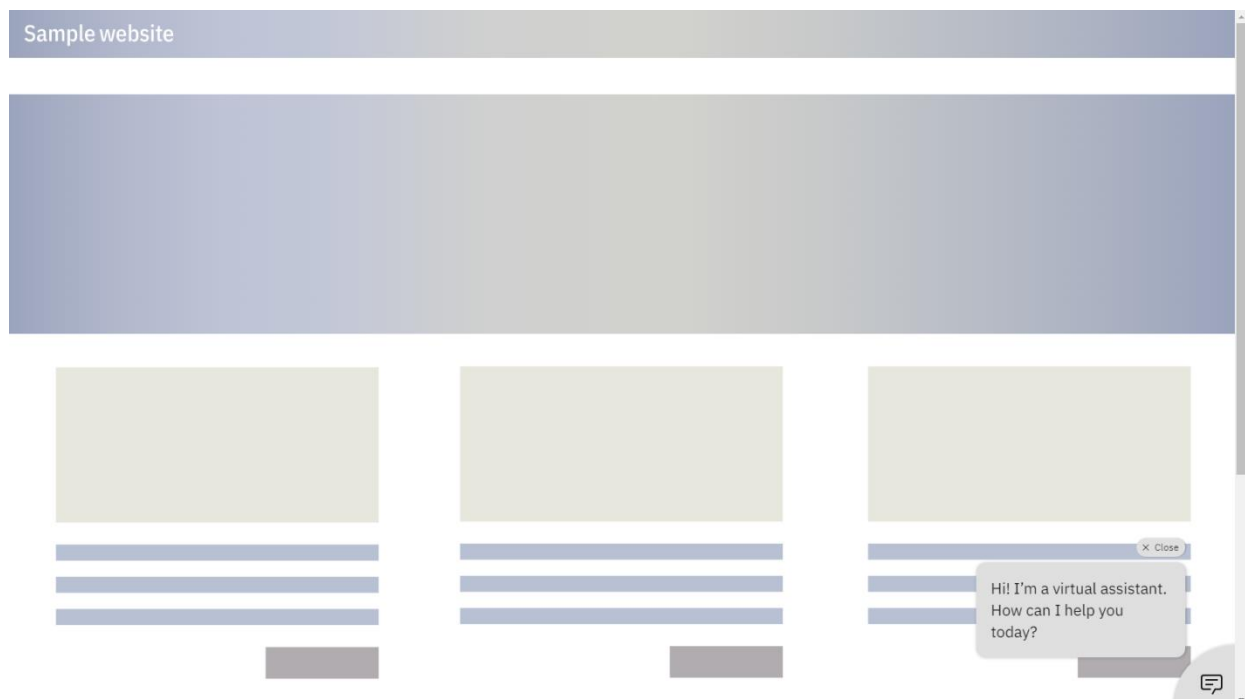Design a chatbot using IBM Watson assistant for hospital.

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.
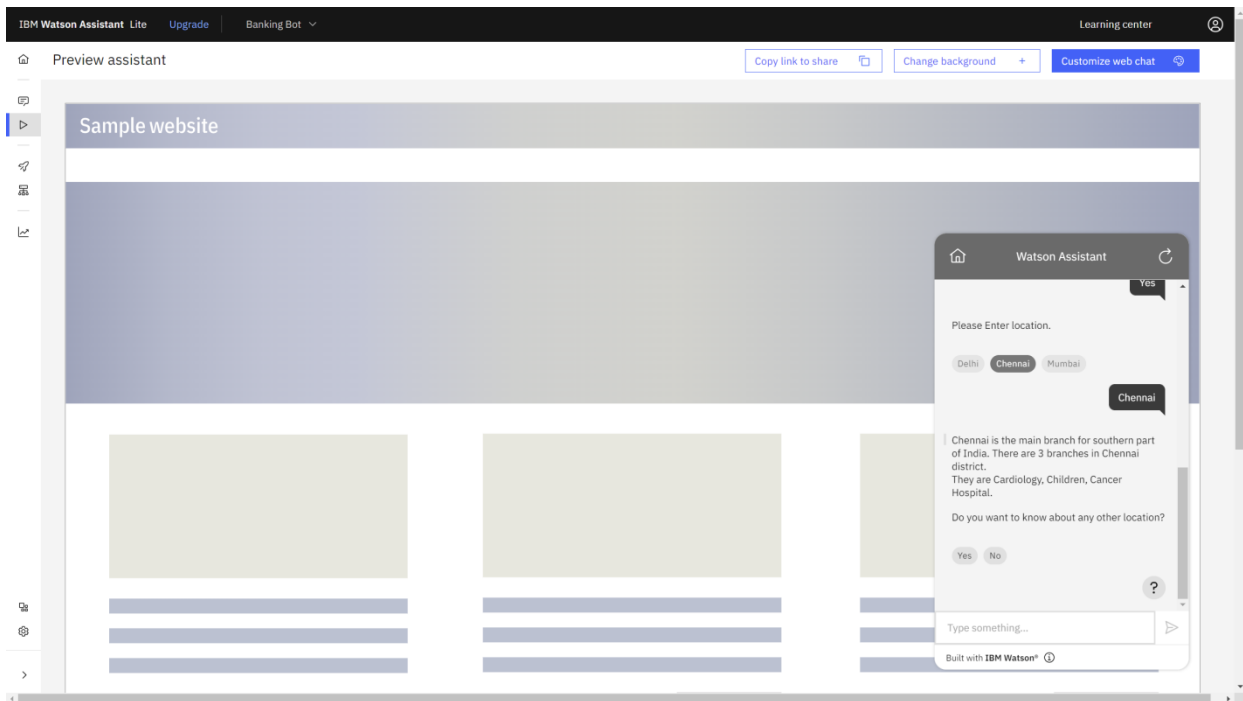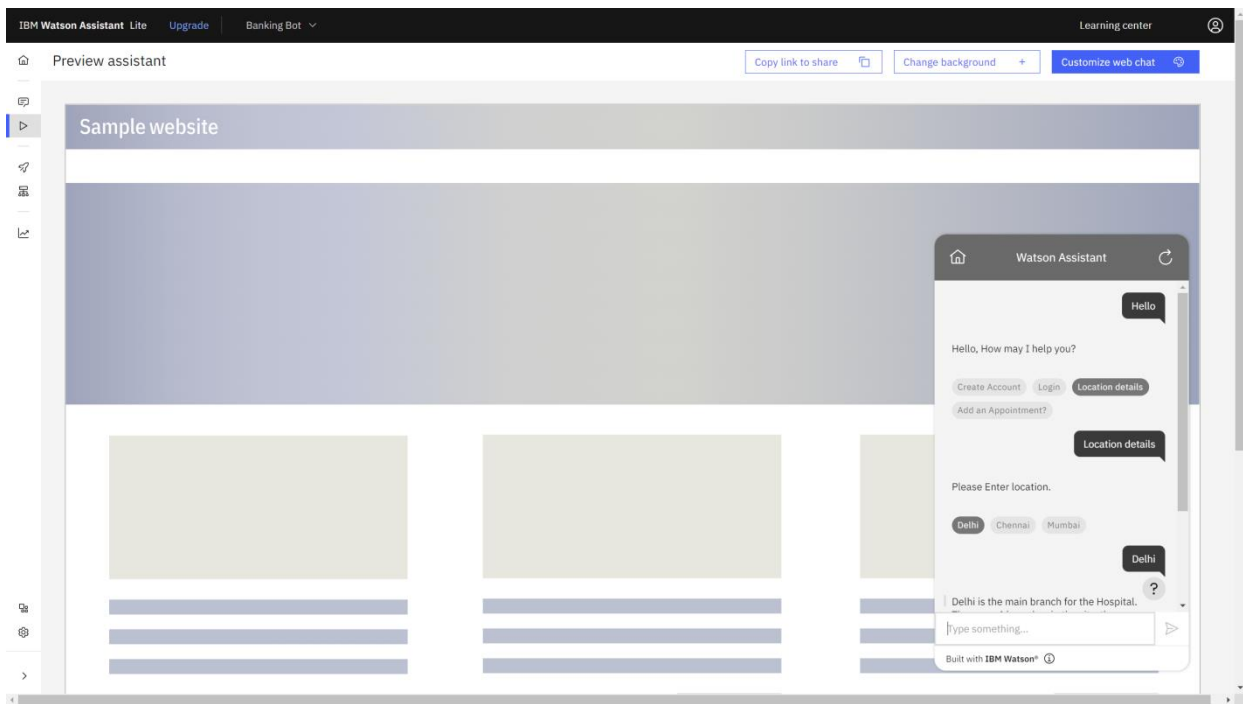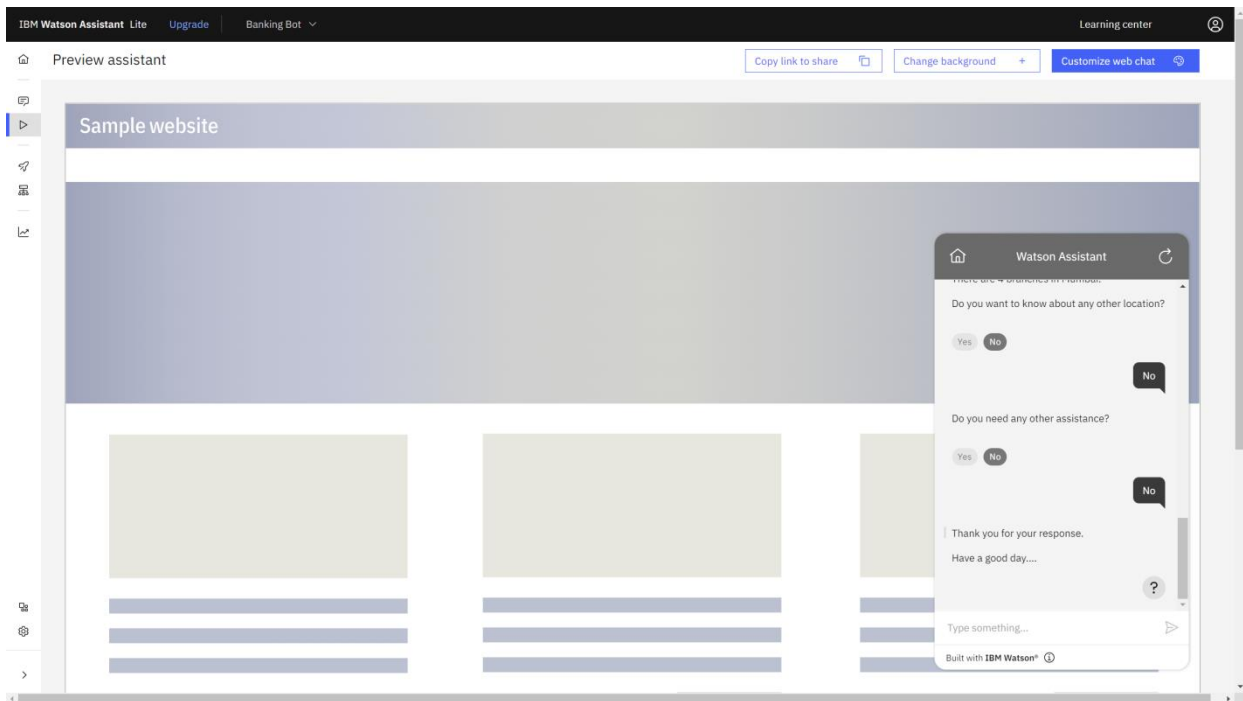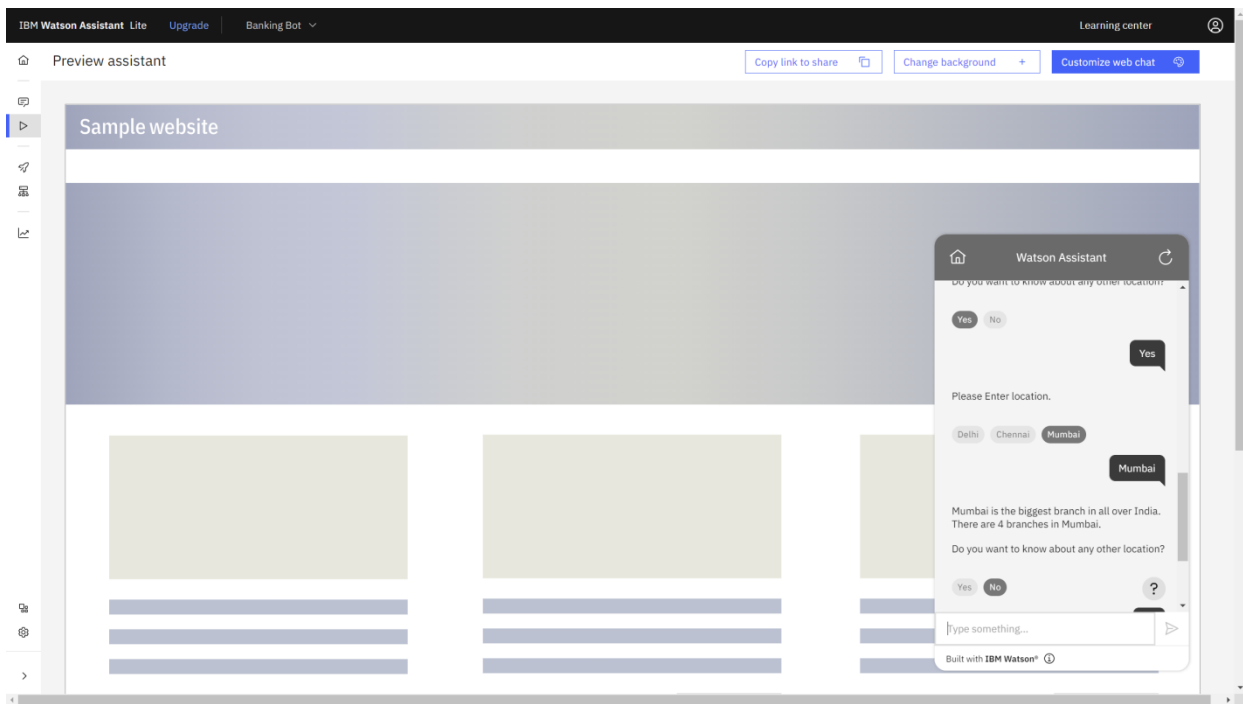
Solution:

Link to Watson assistant Chatbot:

https://web-chat.global.assistant.watson.appdomain.cloud/preview.html?backgroundImageURL=https%3A%2F%2Fau-syd.assistant.watson.cloud.ibm.com%2Fpublic%2Fimages%2Fupx-561acd5a-e866-4ae1-8b04-999c9b3d1b84%3A%3Aa62135a5-8551-411e-85c9-84a6504e0b6a&integrationID=c77b20af-997e-46f8-98a1-8ddc72507dc5&region=au-syd&serviceInstanceID=561acd5a-e866-4ae1-8b04-999c9b3d1b84

Output:

Preview assistant   Copy link to share ⧉   Change background +   Customize web chat ⟲

Sample website

Watson Assistant

Hello

Hello, How may I help you?

Create Account   Login   Location details

Add an Appointment?

Location details

Please Enter location.

Delhi   Chennai   Mumbai

Delhi

Delhi is the main branch for the Hospital.

?

Type something...   ⊳

Built with **IBM Watson®** ⓘ

Preview assistant   Copy link to share ⧉   Change background +   Customize web chat ⟲

Sample website

Watson Assistant

Yes

Please Enter location.

Delhi   Chennai   Mumbai

Chennai

Chennai is the main branch for southern part of India. There are 3 branches in Chennai district.
They are Cardiology, Children, Cancer Hospital.

Do you want to know about any other location?

Yes   No

?

Type something...   ⊳

Built with **IBM Watson®** ⓘ

Question-5:

Create Watson assistant service with 10 steps and use 3 conditions in it.

Load that script in HTML page.

Solution:

Link to Watson assistant Chatbot:

https://web-chat.global.assistant.watson.appdomain.cloud/preview.html?backgroundImageURL=https%3A%2F%2Fau-syd.assistant.watson.cloud.ibm.com%2Fpublic%2Fimages%2Fupx-561acd5a-e866-4ae1-8b04-999c9b3d1b84%3A%3Aa62135a5-8551-411e-85c9-84a6504e0b6a&integrationID=c77b20af-997e-46f8-98a1-8ddc72507dc5&region=au-syd&serviceInstanceID=561acd5a-e866-4ae1-8b04-999c9b3d1b84

Object_image_viewer.html:

```
<!DOCTYPE html>

  <head>

    <title>

      Object Storage Assignment

    </title>

    <link rel="stylesheet" href="https://object-storage-assignment-3.s3.jp-tok.cloud-object-storage.appdomain.cloud/style.css">

  </head>

  <body>

    <div class="container">

      <h1 id="heading">Objects From IBM Cloud Storage</h1>

    </div>

    <div class="container">

      <img src="https://storage-bucket-images.s3.us-south.cloud-object-storage.appdomain.cloud/1.jpg" id="Object_1" alt="Object_1" width="500" height="350">

      <img src="https://storage-bucket-images.s3.us-south.cloud-object-storage.appdomain.cloud/2.jpg" id="Object_2" alt="Object_2" width="500" height="350">

      <img src="https://storage-bucket-images.s3.us-south.cloud-object-storage.appdomain.cloud/3.jpg" id="Object_3" alt="Object_3" width="500" height="350">

      <img src="https://storage-bucket-images.s3.us-south.cloud-object-storage.appdomain.cloud/4.jpg" id="Object_4" alt="Object_4" width="500" height="350">

      <img src="https://storage-bucket-images.s3.us-south.cloud-object-storage.appdomain.cloud/5.jpg" id="Object_5" alt="Object_5" width="500" height="350">

      <img src="https://storage-bucket-images.s3.us-south.cloud-object-
```

```html
storage.appdomain.cloud/6.jpg" id="Object_6" alt="Object_5" width="500" height="350">

    </div>

    <script>

      window.watsonAssistantChatOptions = {

        integrationID: "ffe64836-ab7e-4a5d-bebb-c35a76a5bc3a", // The ID of this integration.

        region: "au-syd", // The region your integration is hosted in.

        serviceInstanceID: "561acd5a-e866-4ae1-8b04-999c9b3d1b84", // The ID of your service instance.

        onLoad: function(instance) { instance.render(); }

      };

      setTimeout(function(){

        const t=document.createElement('script');

        t.src="https://web-chat.global.assistant.watson.appdomain.cloud/versions/" +
(window.watsonAssistantChatOptions.clientVersion || 'latest') + "/WatsonAssistantChatEntry.js";

        document.head.appendChild(t);

      });

    </script>

  </body>

</html>
```
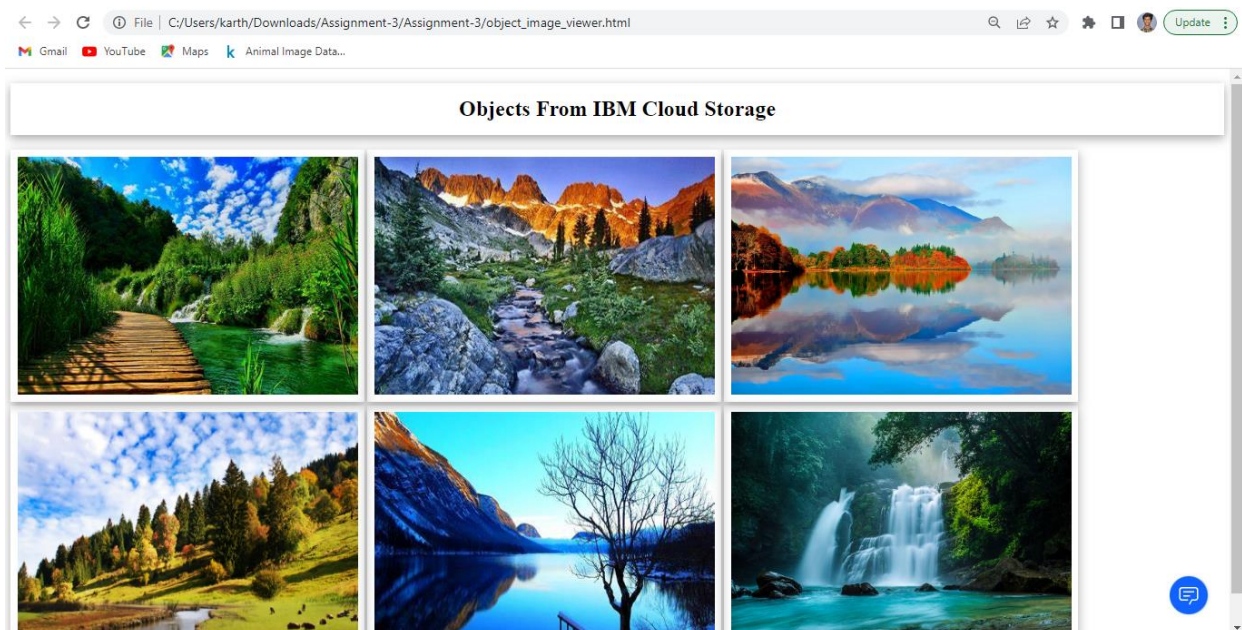
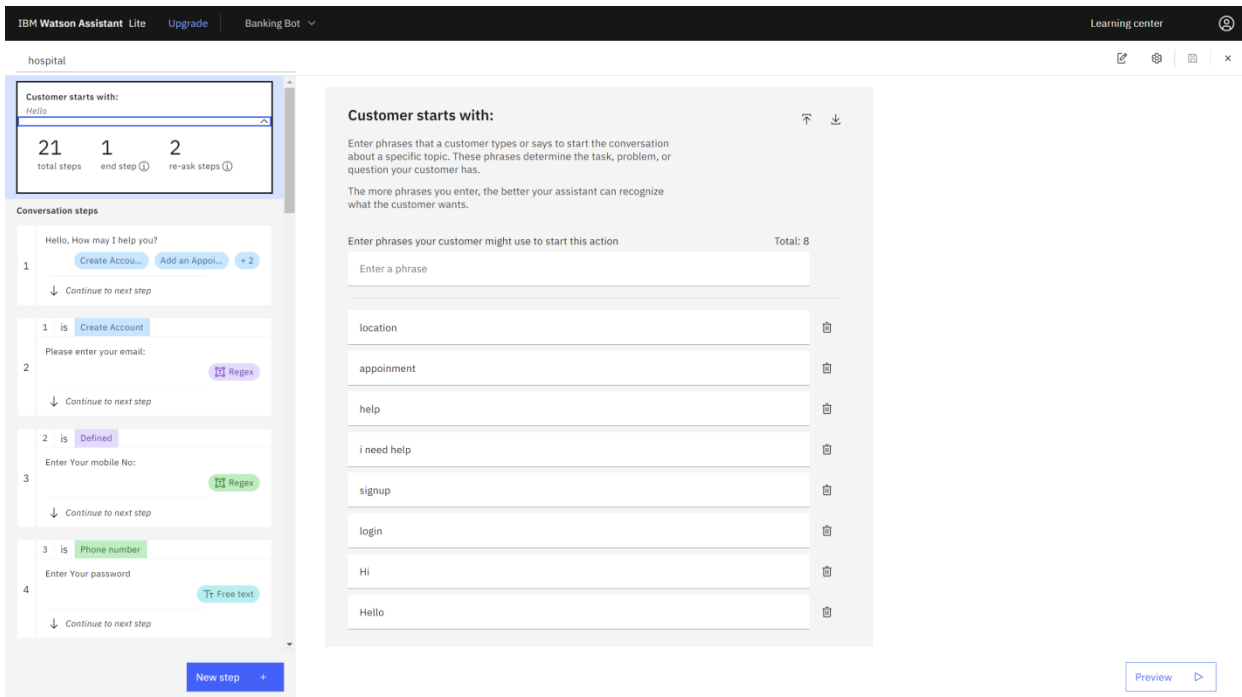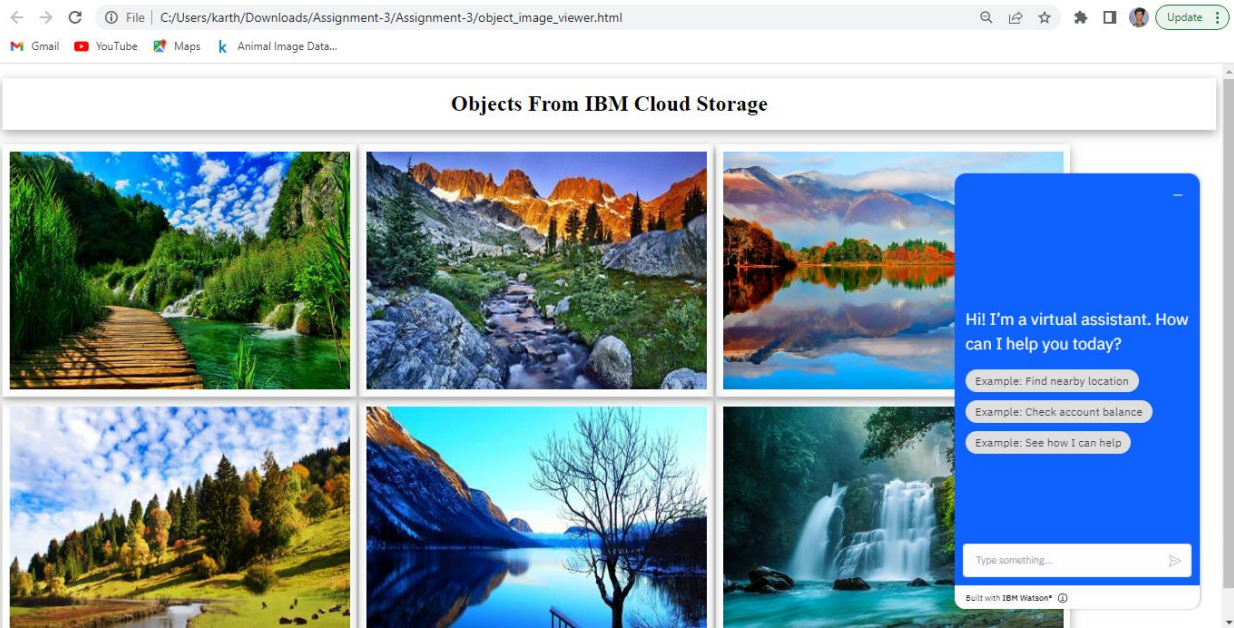**Output:**

There are total 21 steps and multiple conditions used in this Chatbot.