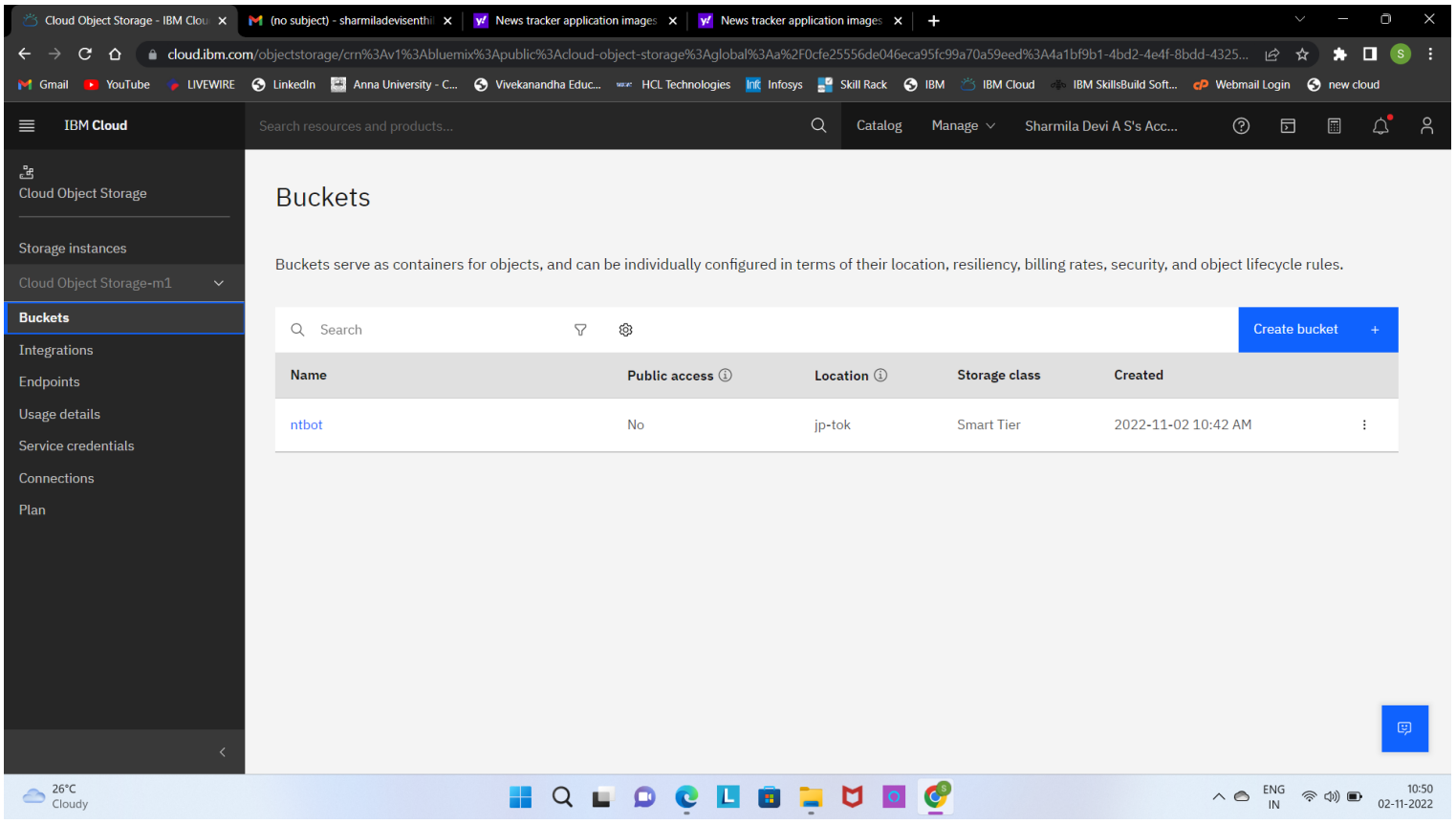
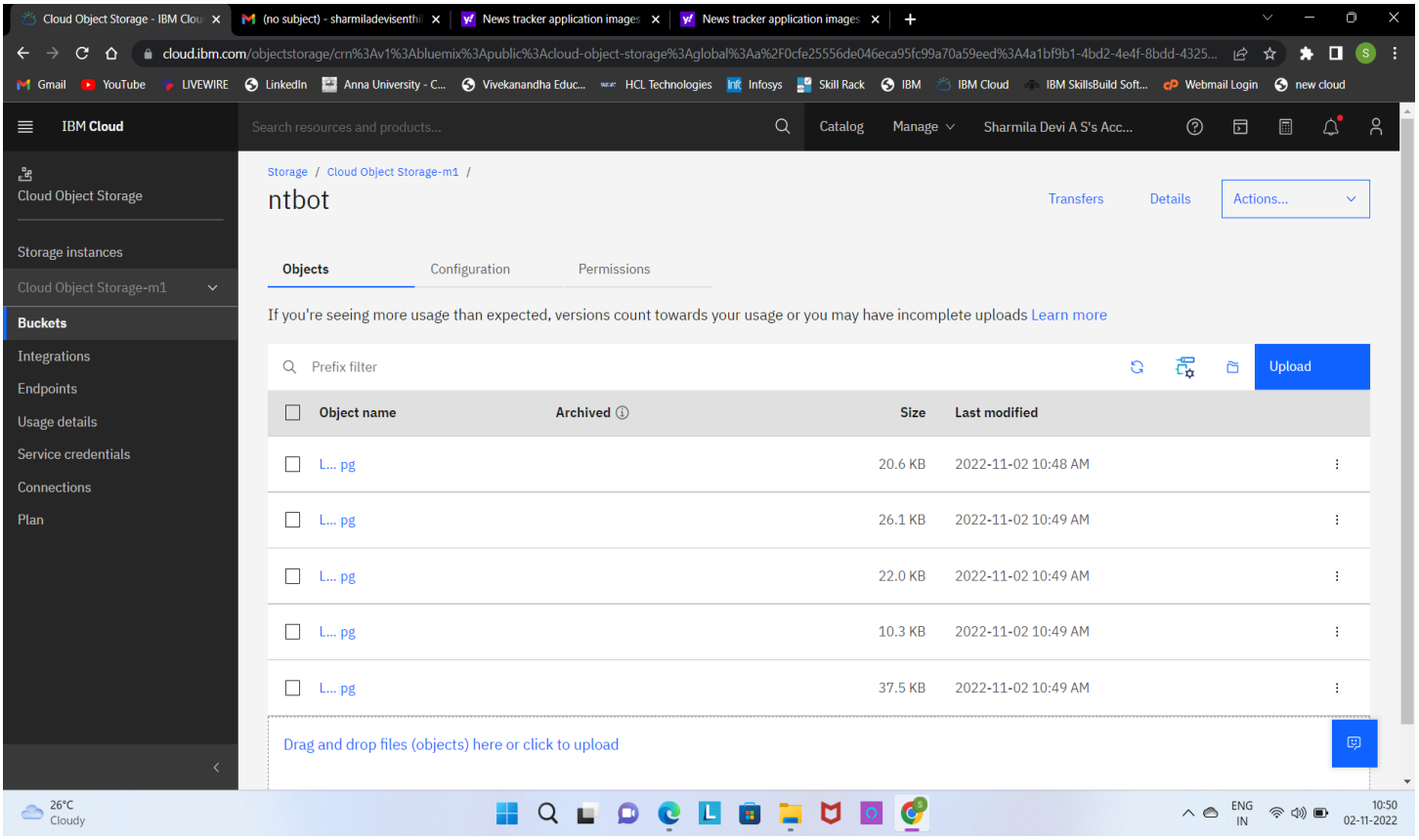
Assignment-3

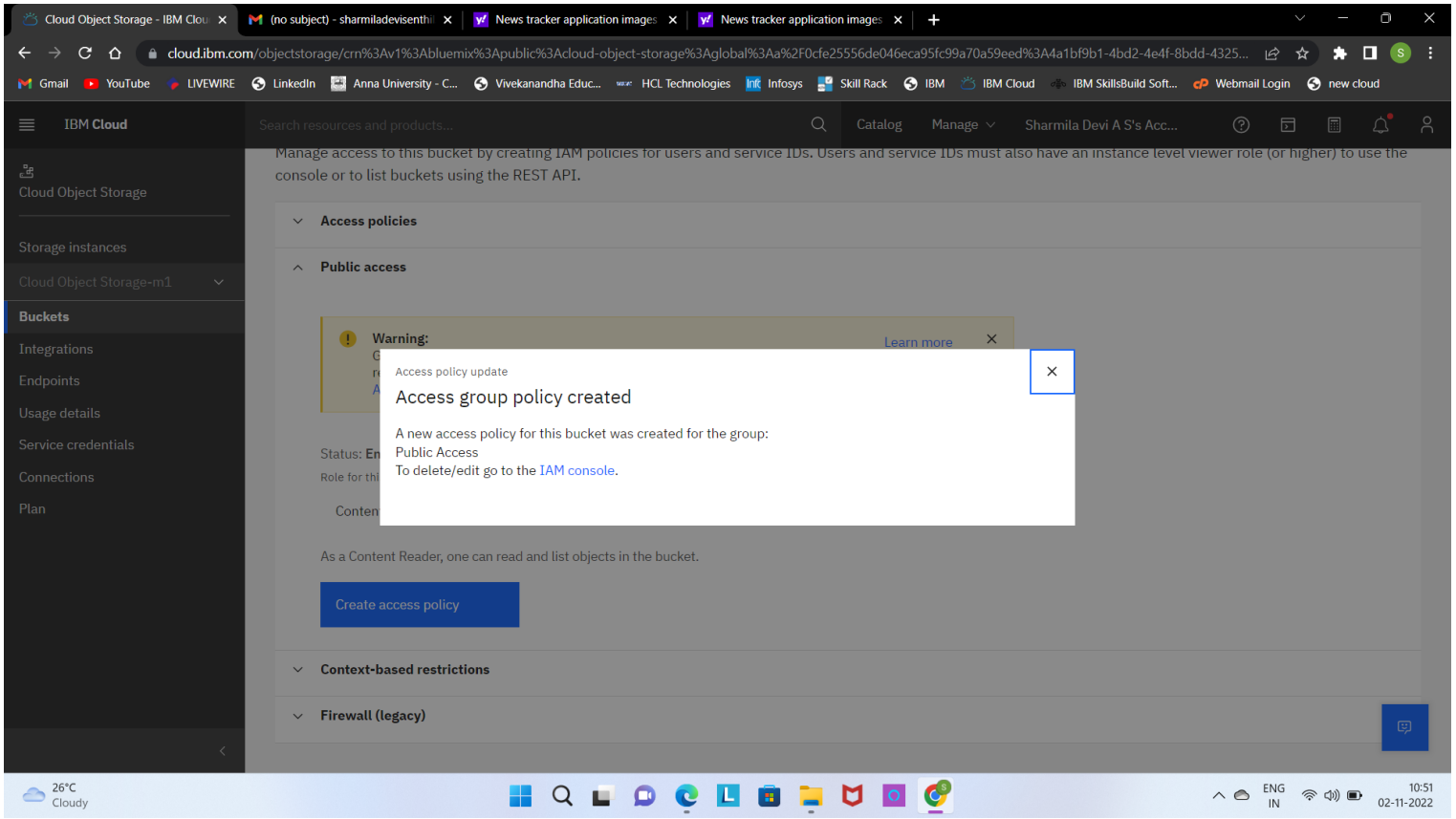
Date	10 October 2022
Team ID	PNT2022TMID30665
Project Name	News Tracker Application.

1. CREATE A BUCKET IN IBM OBJECT STORAGE.



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


Cloud Object Storage - IBM Clou
(no subject) - sharmiladevisenthil
News tracker application images
News tracker application images
cloud.ibm.com/objectstorage/crn%3Av1%3Abluemix%3Apublic%3Acloud-object-storage%3Aglobal%3Aa%2F0cfe25556de046eca95fc99a70a59eed%3A4a1bf9b1-4bd2-4e4f-8bdd-4325...
Gmail
YouTube
LIVEWIRE
LinkedIn
Anna University - C...
Vivekanandha Educ...
HCL Technologies
Infosys
Skill Rack
IBM
IBM Cloud
IBM SkillsBuild Soft...
Webmail Login
new cloud
IBM Cloud
Search resources and products...
Catalog
Manage
Sharmila Devi A S's Acc...
Cloud Object Storage
Storage instances
Cloud Object Storage-m1
Buckets
Integrations
Endpoints
Usage details
Service credentials
Connections
Plan
Storage / Cloud Object Storage-m1 /
ntbot
Transfers
Details
Actions...
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
L... pg
20.6 KB
2022-11-02 10:48 AM
L... pg
26.1 KB
2022-11-02 10:49 AM
L... pg
22.0 KB
2022-11-02 10:49 AM
L... pg
10.3 KB
2022-11-02 10:49 AM
L... pg
37.5 KB
2022-11-02 10:49 AM
Drag and drop files (objects) here or click to upload
26°C
Cloudy
ENG
IN
10:50
02-11-2022


Cloud Object Storage - IBM Clou
(no subject) - sharmiladevisenthil
News tracker application images
News tracker application images
cloud.ibm.com/objectstorage/crn%3Av1%3Abluemix%3Apublic%3Acloud-object-storage%3Aglobal%3Aa%2F0cfe25556de046eca95fc99a70a59eed%3A4a1bf9b1-4bd2-4e4f-8bdd-4325...
Gmail
YouTube
LIVEWIRE
LinkedIn
Anna University - C...
Vivekanandha Educ...
HCL Technologies
Infosys
Skill Rack
IBM
IBM Cloud
IBM SkillsBuild Soft...
Webmail Login
new cloud
IBM Cloud
Search resources and products...
Catalog
Manage
Sharmila Devi A S's Acc...
Cloud Object Storage
Storage instances
Cloud Object Storage-m1
Buckets
Integrations
Endpoints
Usage details
Service credentials
Connections
Plan
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:
Learn more
Access policy update
Access group policy created
A new access policy for this bucket was created for the group:
Public Access
To delete/edit go to the IAM console.
Status: En
Role for thi
Conten
As a Content Reader, one can read and list objects in the bucket.
Create access policy
Context-based restrictions
Firewall (legacy)
26°C
Cloudy
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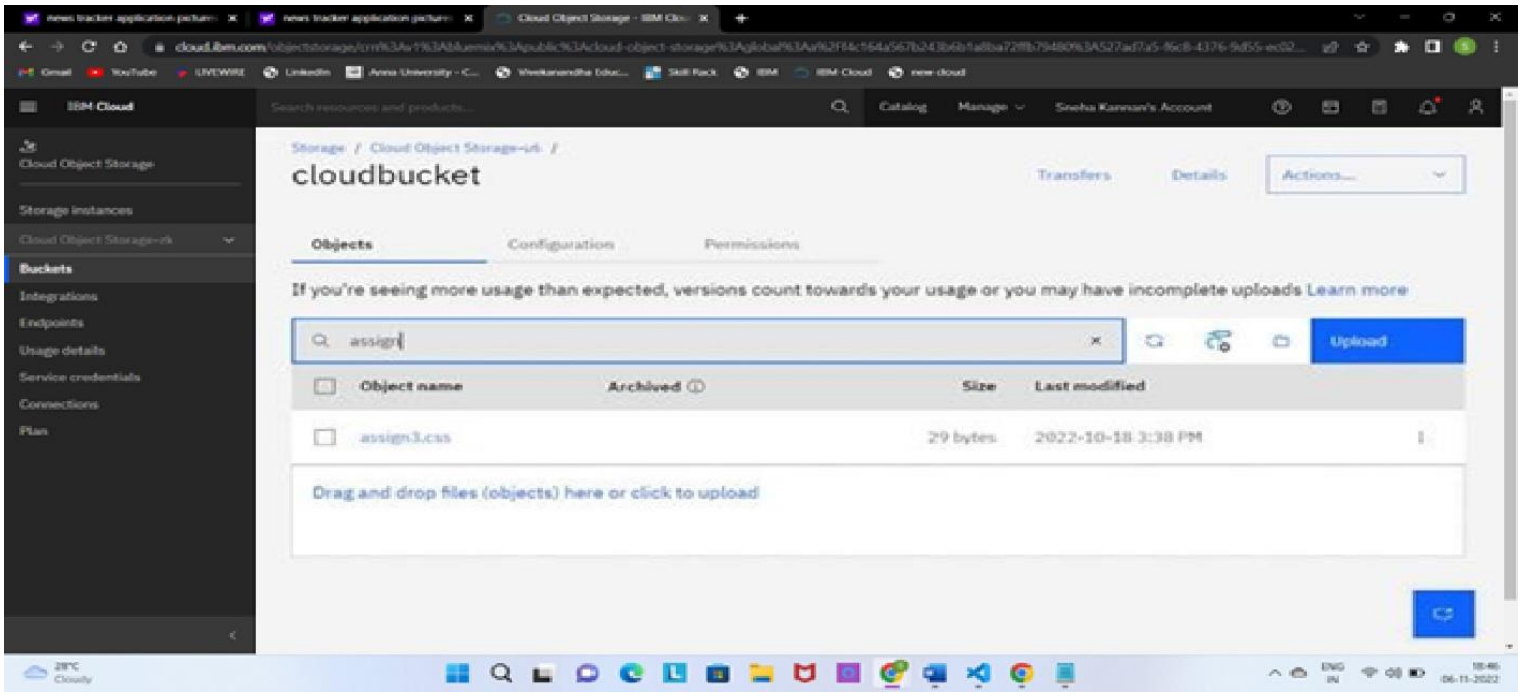
IN
10:51
02-11-2022

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



*Untitled - Notepad

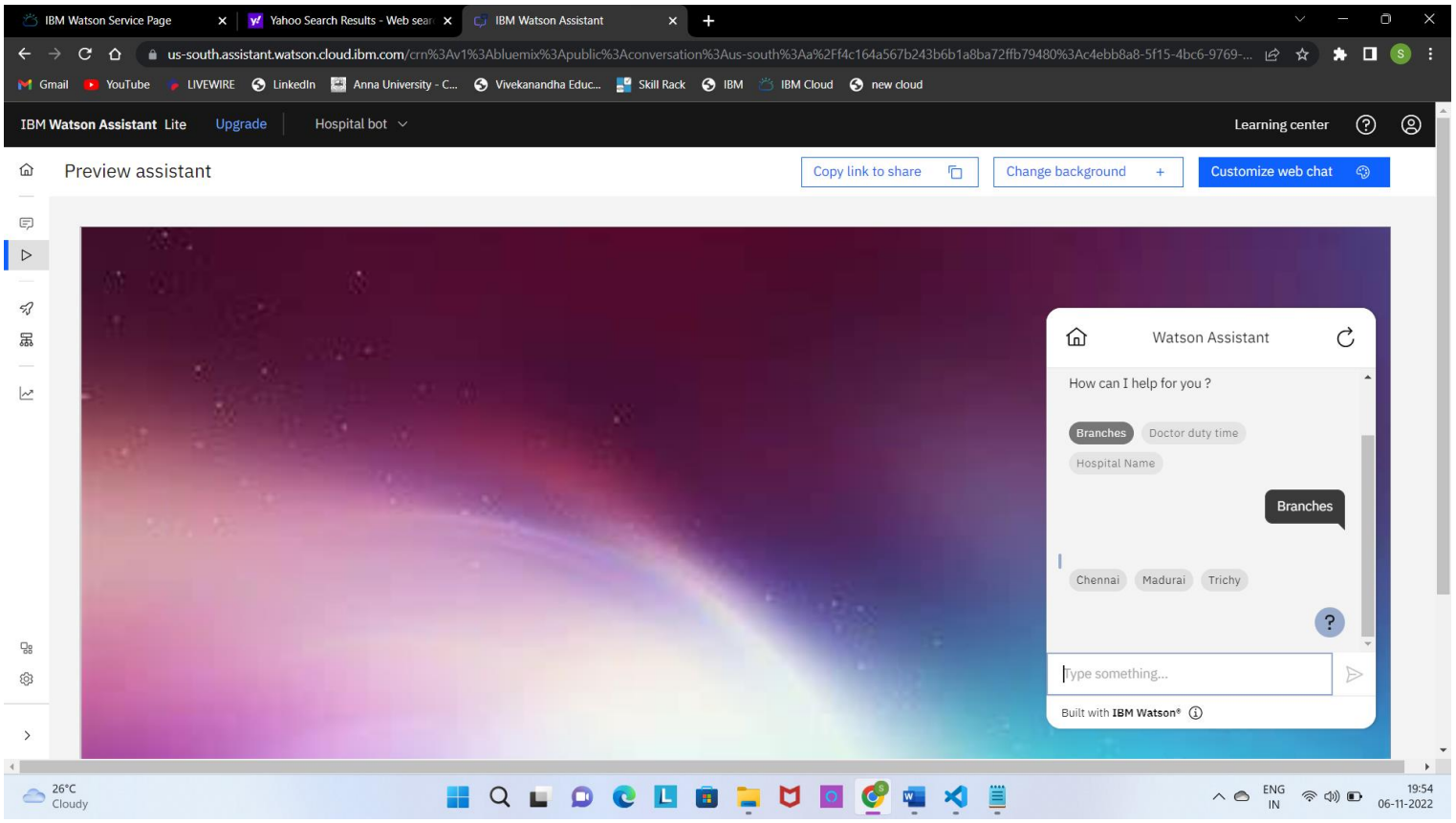
File Edit View

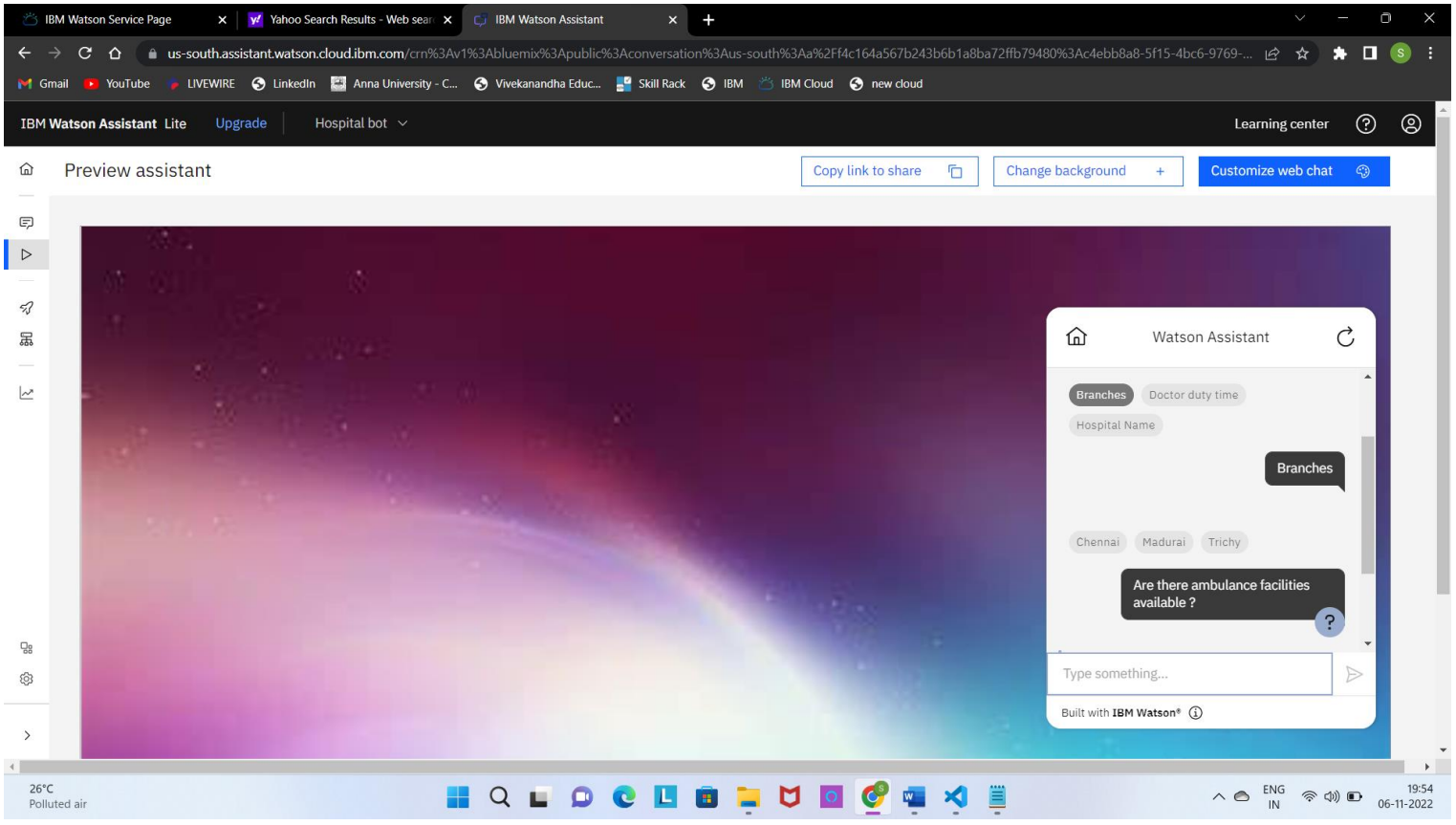
```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8" />
<meta http-equiv="X-UA-Compatible" content="IE=edge" />
<meta name="viewport" content="width=device-width, initial-scale=1.0" />
<title>Home</title>
<link rel="stylesheet" href="{{url_for('redirect_to',link='https://s3.jp-tok.cloud-object- storage.appdomain.cloud/cloudbucket/assign3.css')}}" type="text/css">
<script>
  window.watsonAssistantChatOptions = {
    integrationID: "977a2abc-0e94-4c33-9590-3220efbe981e", // The ID of this integration.
    region: "us-south", // The region your integration is hosted in.
    serviceInstanceID: "c4ebb8a8-5f15-4bc6-9769-49a988e2f9c3", // 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>
</head>
<body>
<form action="/uploader" method="POST" enctype="multipart/form-data">
<input type="text" placeholder="Enter file name" name="filename" />
<br />
<br />
<input type="file" name="file" />
<br />
<br />
<input type="submit" />

</form>
<br/>
<br/>
<br/>
{% for row in files %}
<div style="border: 1px solid #EFEFEF;margin:10px;">
<h3>Filename : {{row}} </h3>
<img src="https://cloudbucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/{{row}}" width="150px"></td>
```

Ln 8, Col 161 100% Windows (CRLF) UTF-8

26°C Cloudy ENG IN 19:56 06-11-2022

3. Design a chatbot using IBM Watson assistant for hospital.

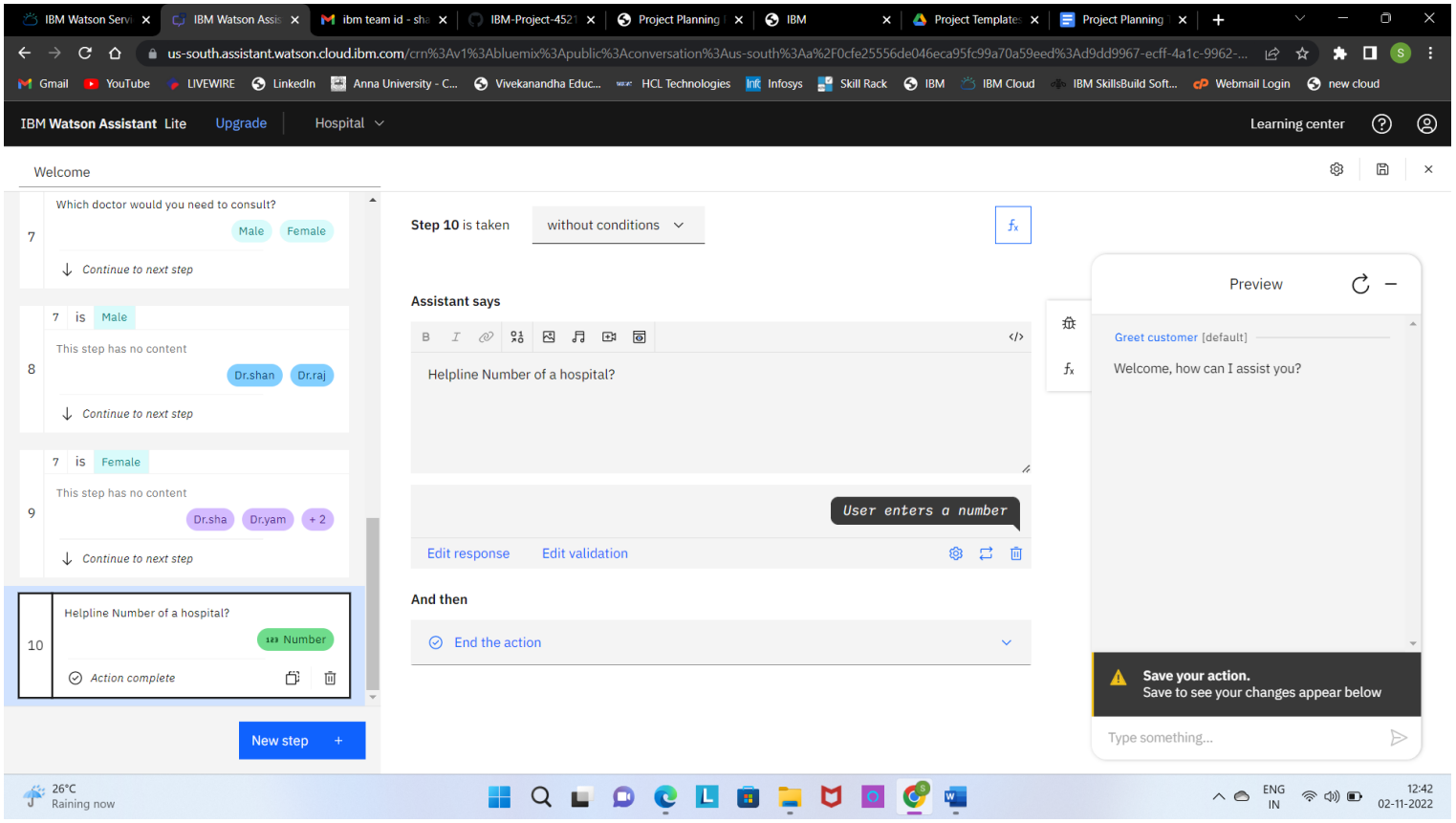




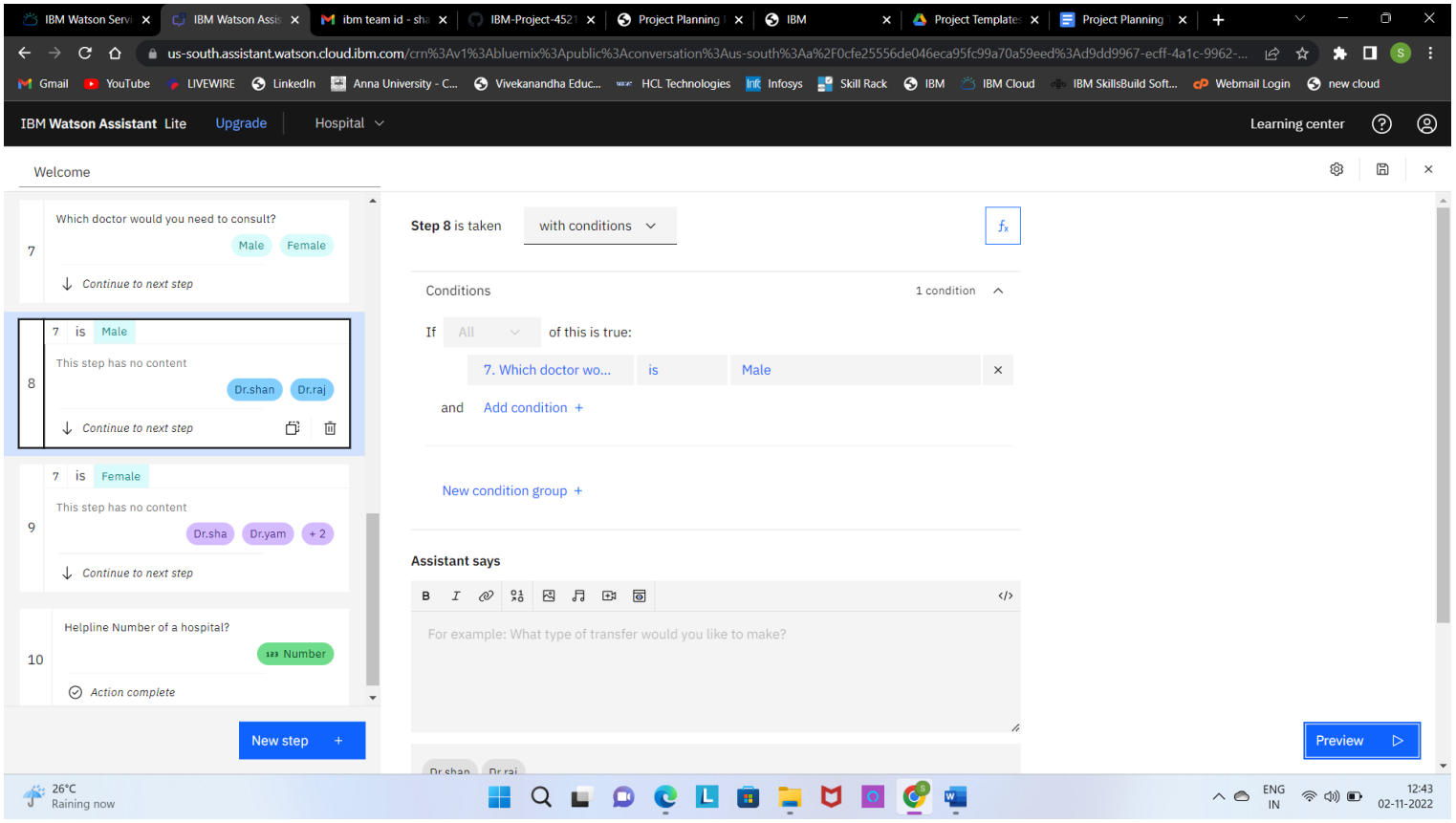
Web URL for Assistant:

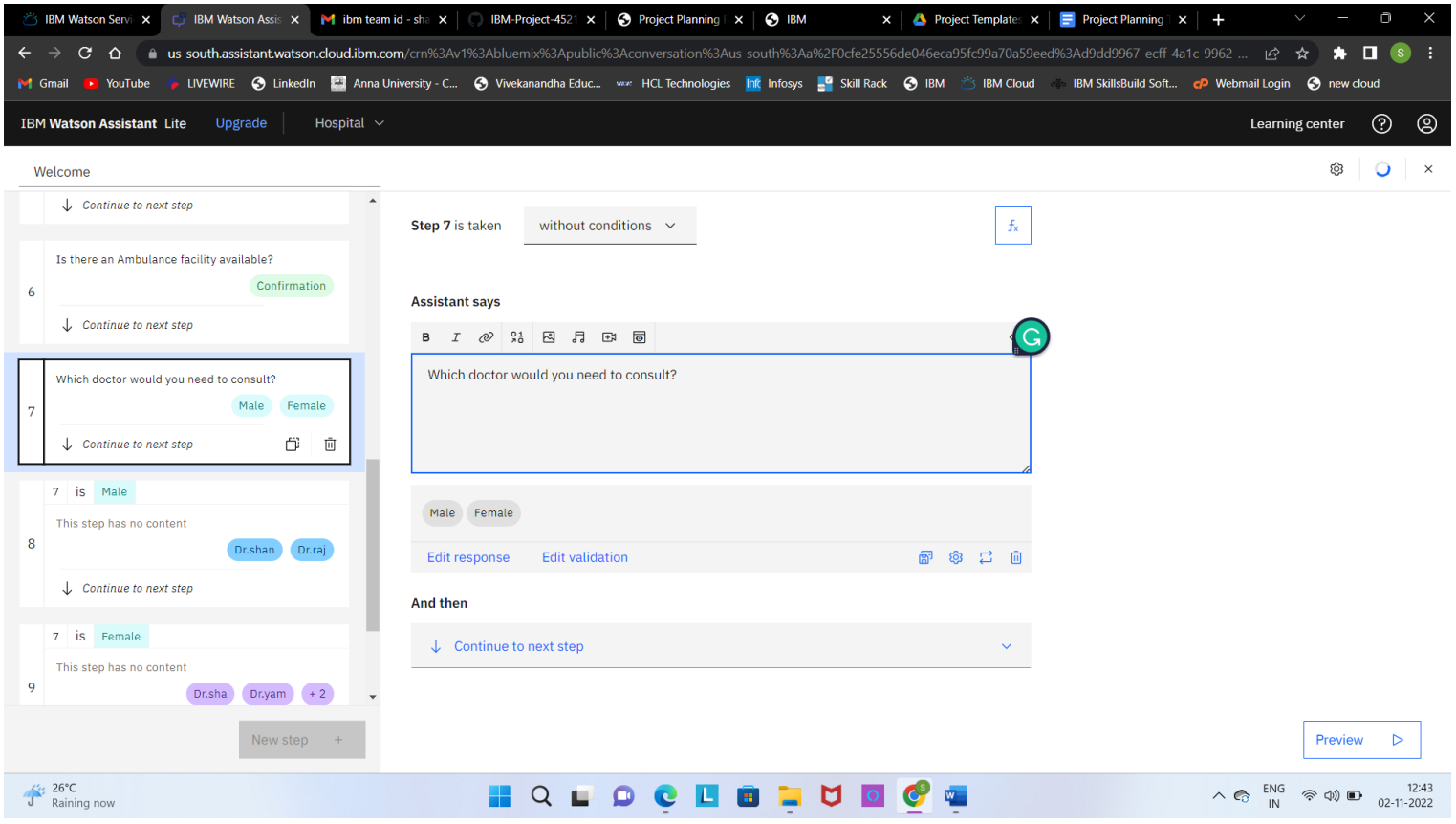
https://web-chat.global.assistant.watson.appdomain.cloud/preview.html?backgroundImageURL=https%3A%2F%2Fus-south.assistant.watson.cloud.ibm.com%2Fpublic%2Fimages%2Fupx-c4ebb8a8-5f15-4bc6-9769-49a988e2f9c3%3A%3A4533f33c-f8a2-47b0-9463-ef7081baa701&integrationID=977a2abc-0e94-4c33-9590-3220efbe981e&region=us-south&serviceInstanceID=c4ebb8a8-5f15-4bc6-9769-49a988e2f9c3

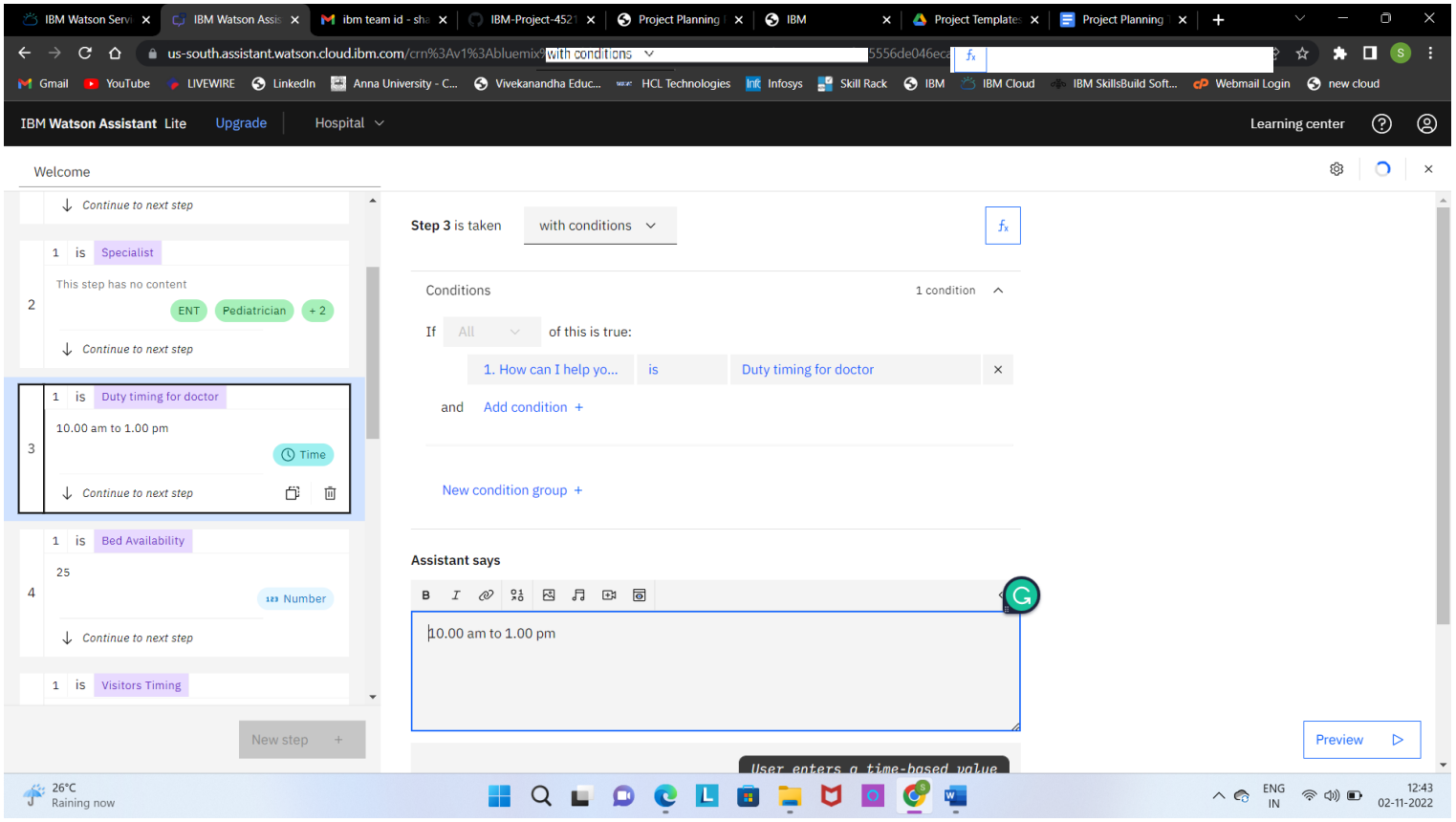
4. Create Watson assistant service with 10 steps and use 3 conditions in it. Load that script in HTML page.



Included 3 conditions in steps:






IBM Watson Assistant Lite
Upgrade
Hospital
Learning center
Welcome
Continue to next step
1 is Specialist
This step has no content
ENT
Pediatrician
+ 2
Continue to next step
1 is Duty timing for doctor
10.00 am to 1.00 pm
Time
Continue to next step
1 is Bed Availability
25
Number
Continue to next step
1 is Visitors Timing
New step
Step 3 is taken
with conditions
Conditions
1 condition
If All of this is true:
1. How can I help yo...
is
Duty timing for doctor
and Add condition +
New condition group +
Assistant says
10.00 am to 1.00 pm
Preview
User enters a time-based value
26°C
Raining now
ENG
IN
12:43
02-11-2022

Index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8" />
<meta http-equiv="X-UA-Compatible" content="IE=edge" />
<meta name="viewport" content="width=device-width, initial-scale=1.0" />
<title>Home</title>
<link rel="stylesheet" href="{{url_for('redirect_to',link='https://s3.jp-tok.cloud-object-
storage.appdomain.cloud/cloudbucket/assign3.css')}}" type="text/css">
<script>
  window.watsonAssistantChatOptions = {
    integrationID: "977a2abc-0e94-4c33-9590-3220efbe981e", // The ID of this integration.
    region: "us-south", // The region your integration is hosted in.
    serviceInstanceID: "c4ebb8a8-5f15-4bc6-9769-49a988e2f9c3", // 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>

</head>
<body>
<form action="/uploader" method="POST" enctype="multipart/form-data">
<input type="text" placeholder="Enter file name" name="filename" />
<br />
<br />
<input type="file" name="file" />
<br />
<br />
<input type="submit" />

</form>
<br/>
<br/>
<br/>
{% for row in files %}
<div style="border: 1px solid #EFEFEF;margin:10px;">
<h3>Filename : {{row}} </h3>
<img src="https://cloudbucket.s3.jp-tok.cloud-object-storage.appdomain.cloud/{{row}}" width="150px"></td>
</div>
{% endfor %}
</body>
</html>
```

App.py

```
import io
from flask import Flask,redirect,url_for,render_template,request
import ibm_boto3
from ibm_botocore.client import Config, ClientError

COS_ENDPOINT="https://s3.jp-tok.cloud-object-storage.appdomain.cloud"
COS_API_KEY_ID=""
COS_INSTANCE_CRN=""



cos = ibm_boto3.resource("s3",
    ibm_api_key_id=COS_API_KEY_ID,
    ibm_service_instance_id=COS_INSTANCE_CRN,
    config=Config(signature_version="oauth"),
    endpoint_url=COS_ENDPOINT
)
```

```
app=Flask(_name_)



@app.route('/')
def index():
try:
        files = cos.Bucket('cloudbucket').objects.all()
        files_names = []
        for file in files:
            files_names.append(file.key)
            print(file)
            print("Item: {0} ({1} bytes).".format(file.key, file.size))
        return render_template('index.html',files=files_names)

  except ClientError as be:
        print("CLIENT ERROR: {0}\n".format(be))
        return render_template('index.html')
  except Exception as e:
        print("Unable to retrieve bucket contents: {0}".format(e))
        return render_template('index.html')

@app.route('/uploader',methods=['POST'])
def upload():
name_file=request.form['filename']
  f = request.files['file']
  try:
      part_size = 1024 * 1024 * 5

      file_threshold = 1024 * 1024 * 15

      transfer_config = ibm_boto3.s3.transfer.TransferConfig(
          multipart_threshold=file_threshold,
```

```
            multipart_chunksize=part_size
        )

        content = f.read()
        cos.Object('cloudbucket', name_file).upload_fileobj(
                Fileobj=io.BytesIO(content),
                Config=transfer_config
            )
        return redirect(url_for('index'))



    except ClientError as be:
        print("CLIENT ERROR: {0}\n".format(be))
        return redirect(url_for('index'))

    except Exception as e:
        print("Unable to complete multi-part upload: {0}".format(e))
        return redirect(url_for('index'))

if __name__ == '__main__':
    app.run(host='0.0.0.0',port=8080,debug=True
```