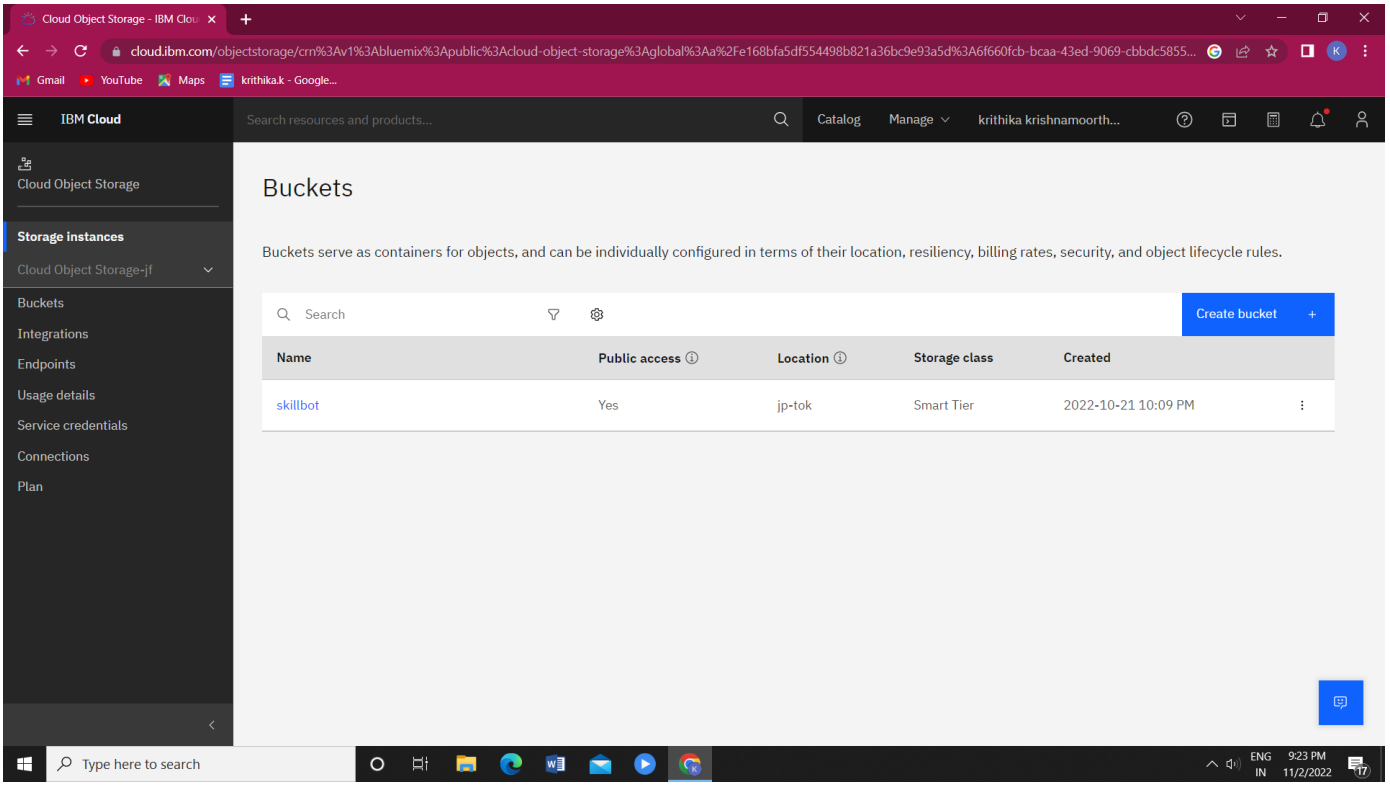
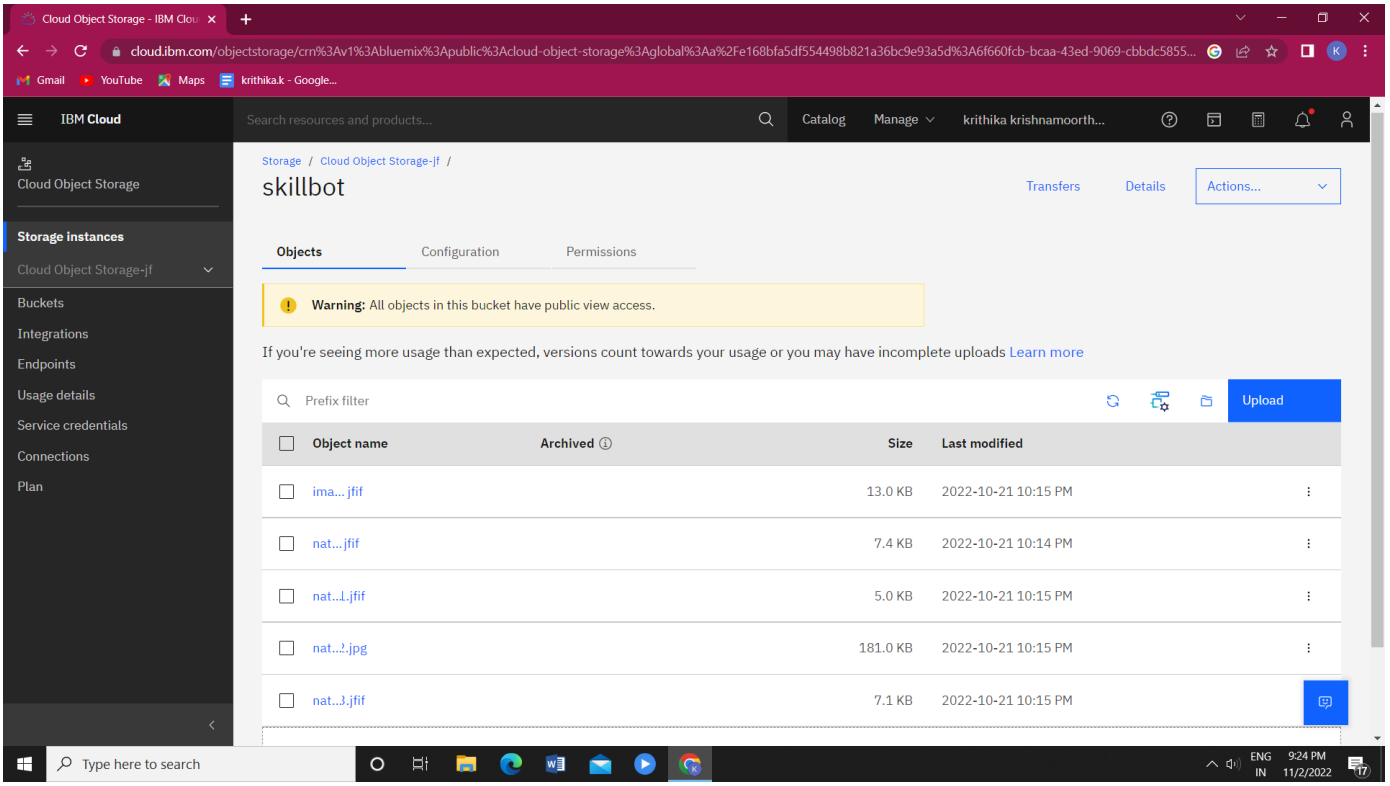
# Assignment-3

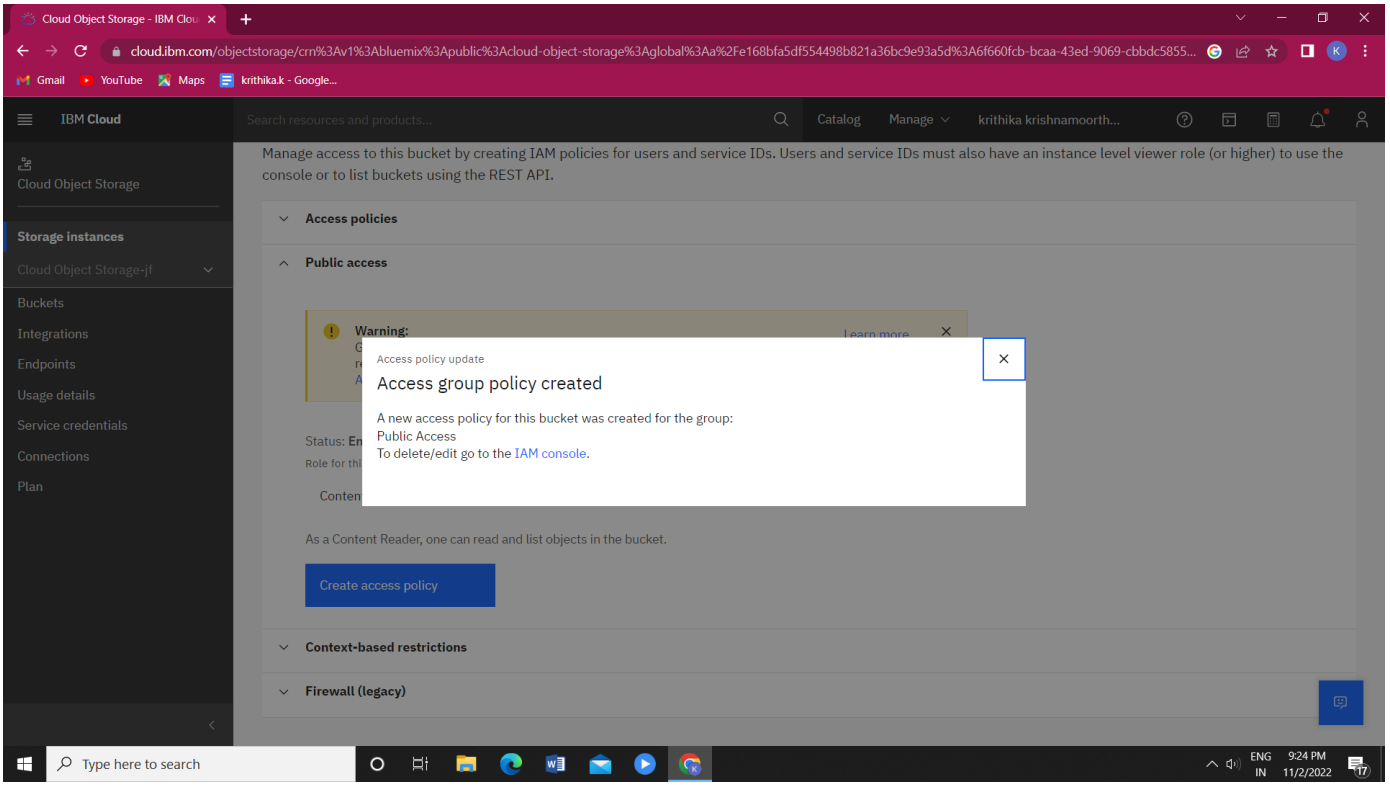
| | |
|---|---|
| Date | 10 October 2022 |
| Team ID | PNT2022TMID13365 |
| Project Name | Skill and Job Recommender Application |

## 1. CREATE A BUCKET IN IBM OBJECT STORAGE.

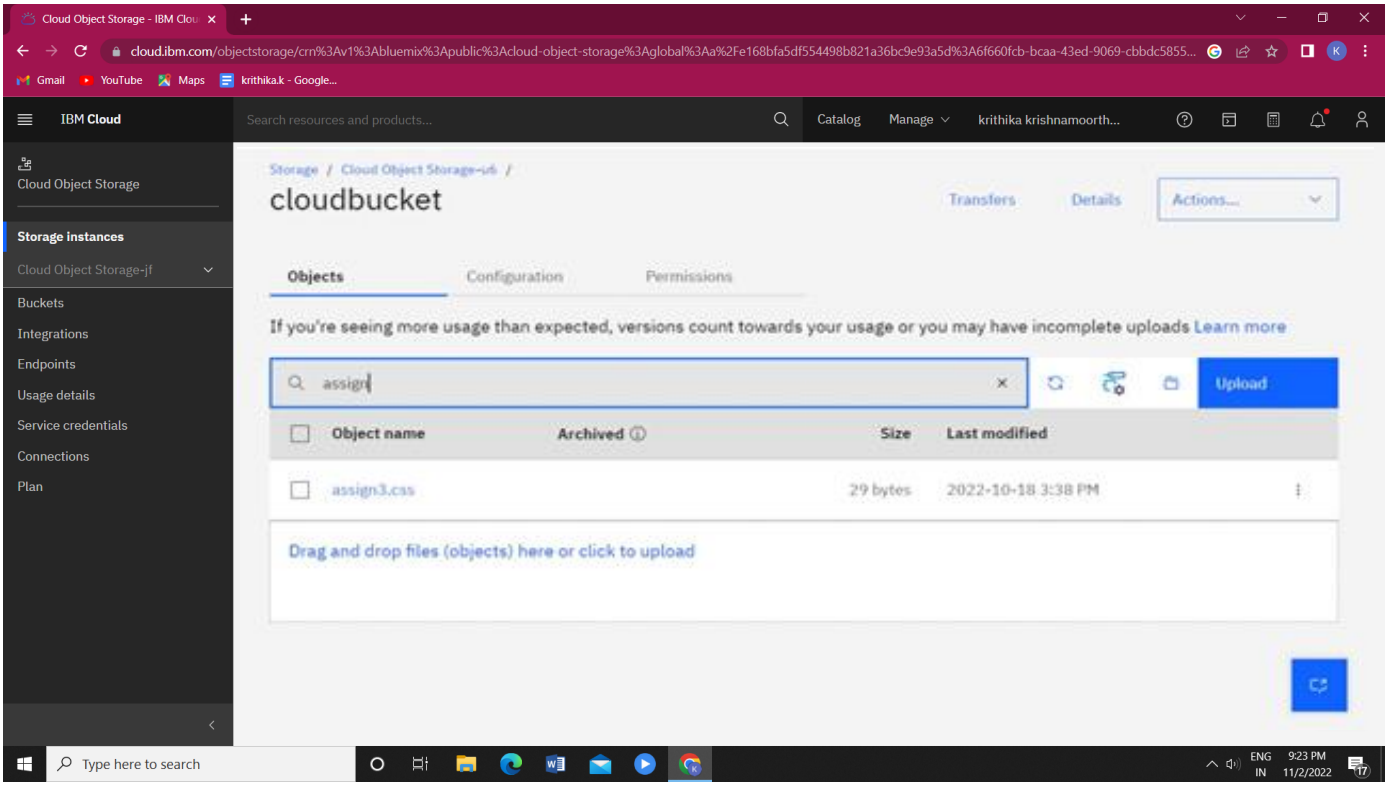


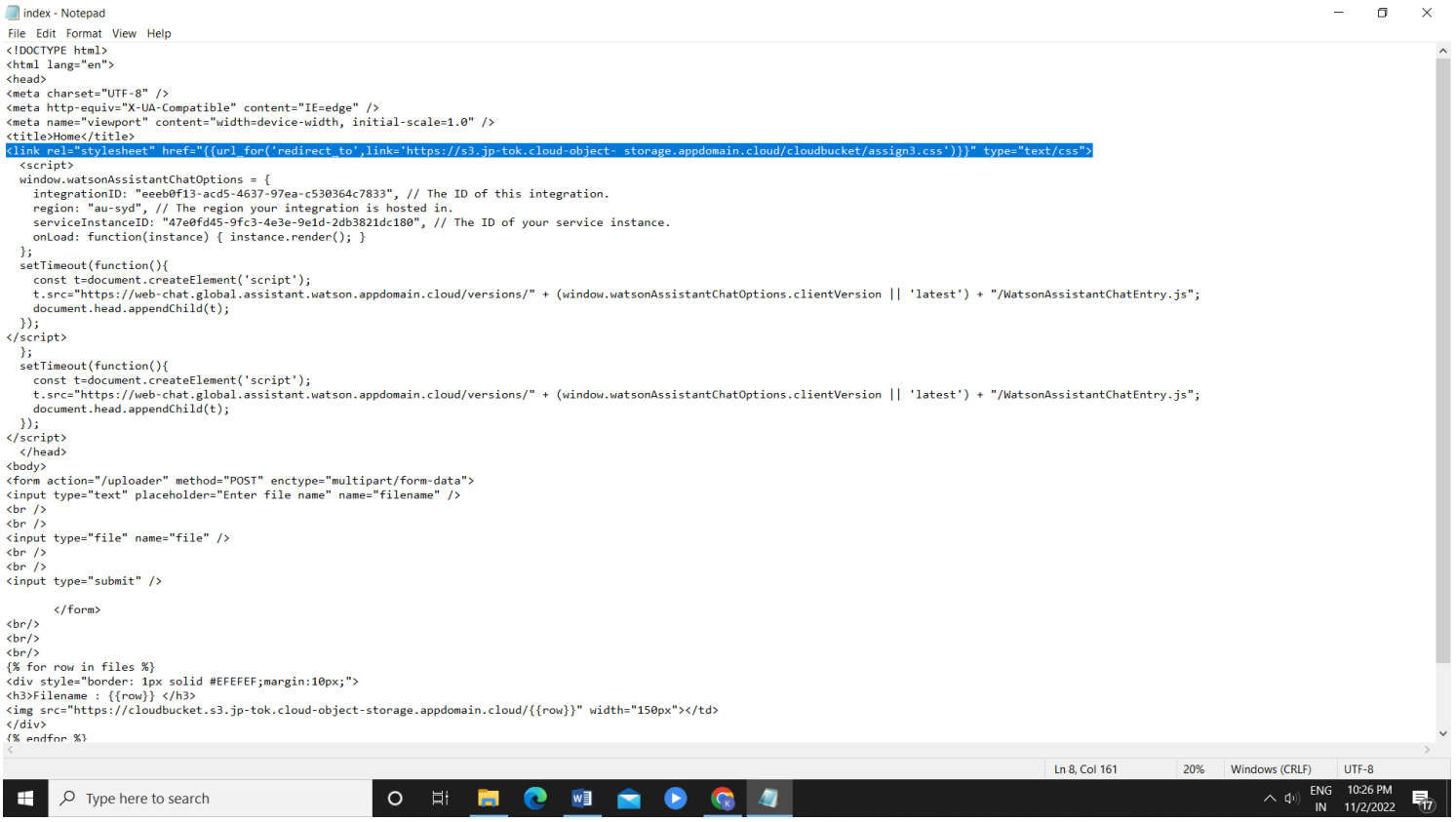

**Upload an 5 images to ibm object storage and make it public.**
**Write html code todisplaying all the 5 images.**


Cloud Object Storage - IBM Clou
cloud.ibm.com/objectstorage/crn%3Av1%3Abluemix%3Apublic%3Acloud-object-storage%3Aglobal%3Aa%2Fe168bfa5df554498b821a36bc9e93a5d%3A6f660fcb-bcaa-43ed-9069-cbbdc5855...
Gmail
YouTube
Maps
krithika.k - Google...
IBM Cloud
Search resources and products...
Catalog
Manage
krithika krishnamoorth...
Cloud Object Storage
Storage instances
Cloud Object Storage-jf
Buckets
Integrations
Endpoints
Usage details
Service credentials
Connections
Plan
Storage / Cloud Object Storage-jf /
skillbot
Transfers
Details
Actions...
Objects
Configuration
Permissions
Warning: All objects in this bucket have public view access.
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
ima... jfif
13.0 KB
2022-10-21 10:15 PM
nat... jfif
7.4 KB
2022-10-21 10:14 PM
nat...1.jfif
5.0 KB
2022-10-21 10:15 PM
nat...2.jpg
181.0 KB
2022-10-21 10:15 PM
nat...3.jfif
7.1 KB
2022-10-21 10:15 PM
Type here to search
ENG
IN
9:24 PM
11/2/2022

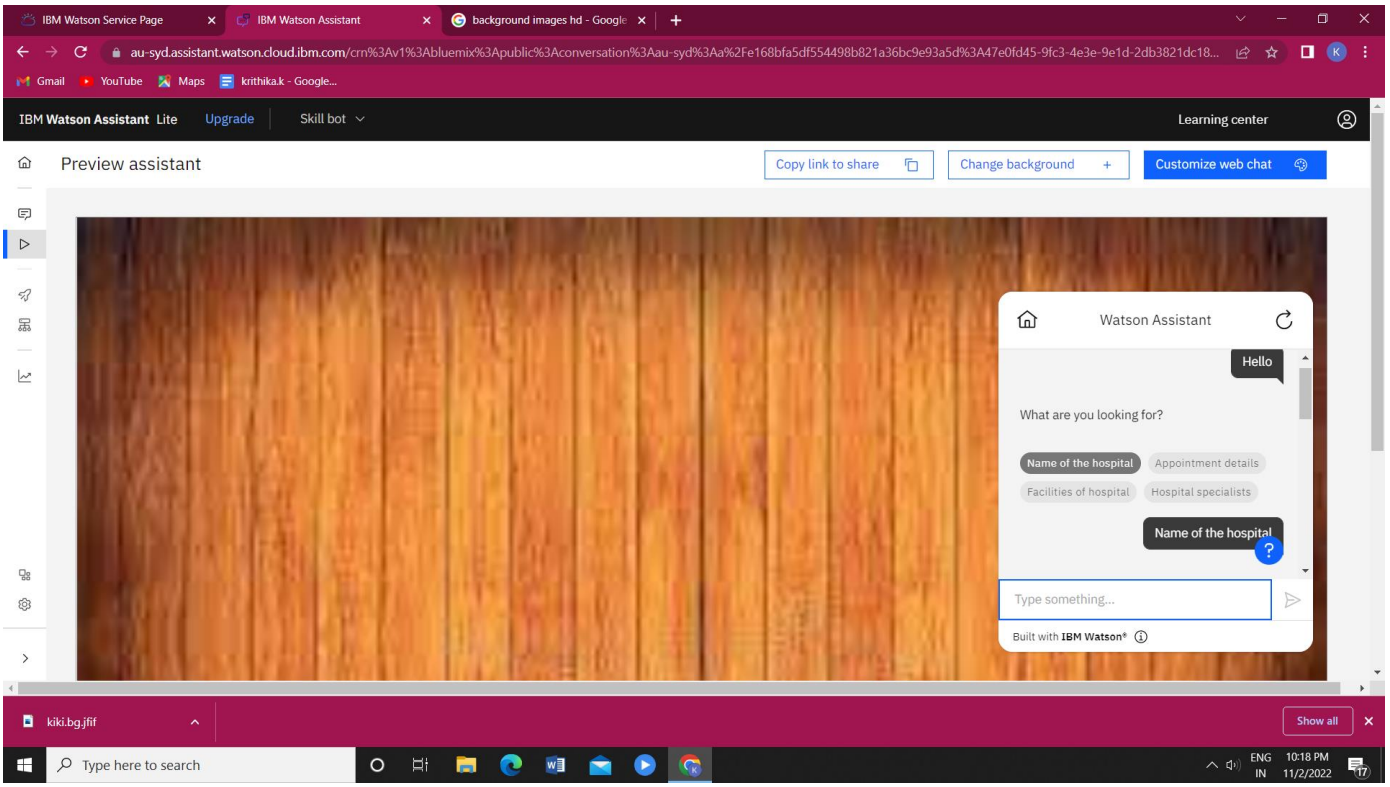

Cloud Object Storage - IBM Clou
cloud.ibm.com/objectstorage/crn%3Av1%3Abluemix%3Apublic%3Acloud-object-storage%3Aglobal%3Aa%2Fe168bfa5df554498b821a36bc9e93a5d%3A6f660fcb-bcaa-43ed-9069-cbbdc5855...
Gmail
YouTube
Maps
krithika.k - Google...
IBM Cloud
Search resources and products...
Catalog
Manage
krithika krishnamoorth...
Cloud Object Storage
Storage instances
Cloud Object Storage-jf
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)
Type here to search
ENG
IN
9:24 PM
11/2/2022

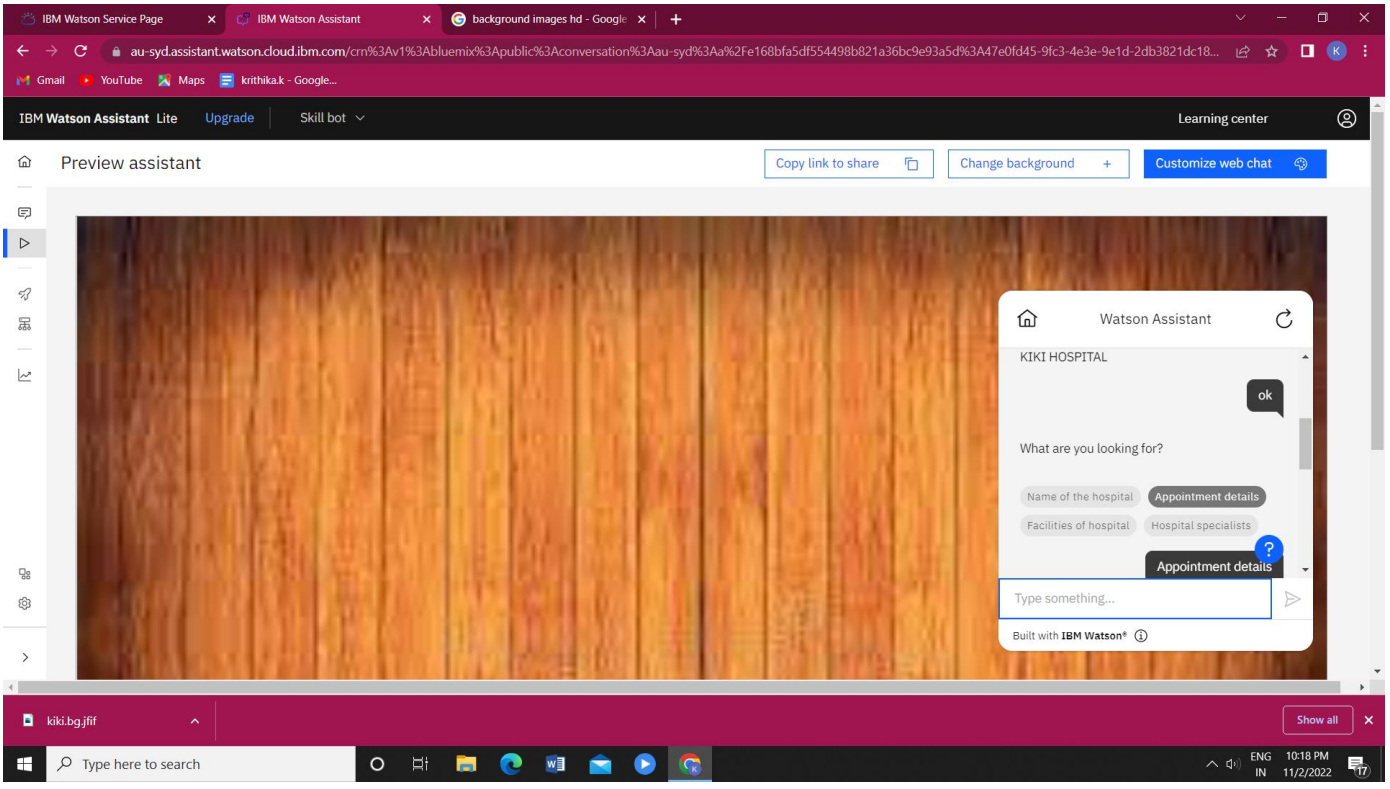
## 2. Upload a css page to the object storage and use the same page in your HTML code.



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

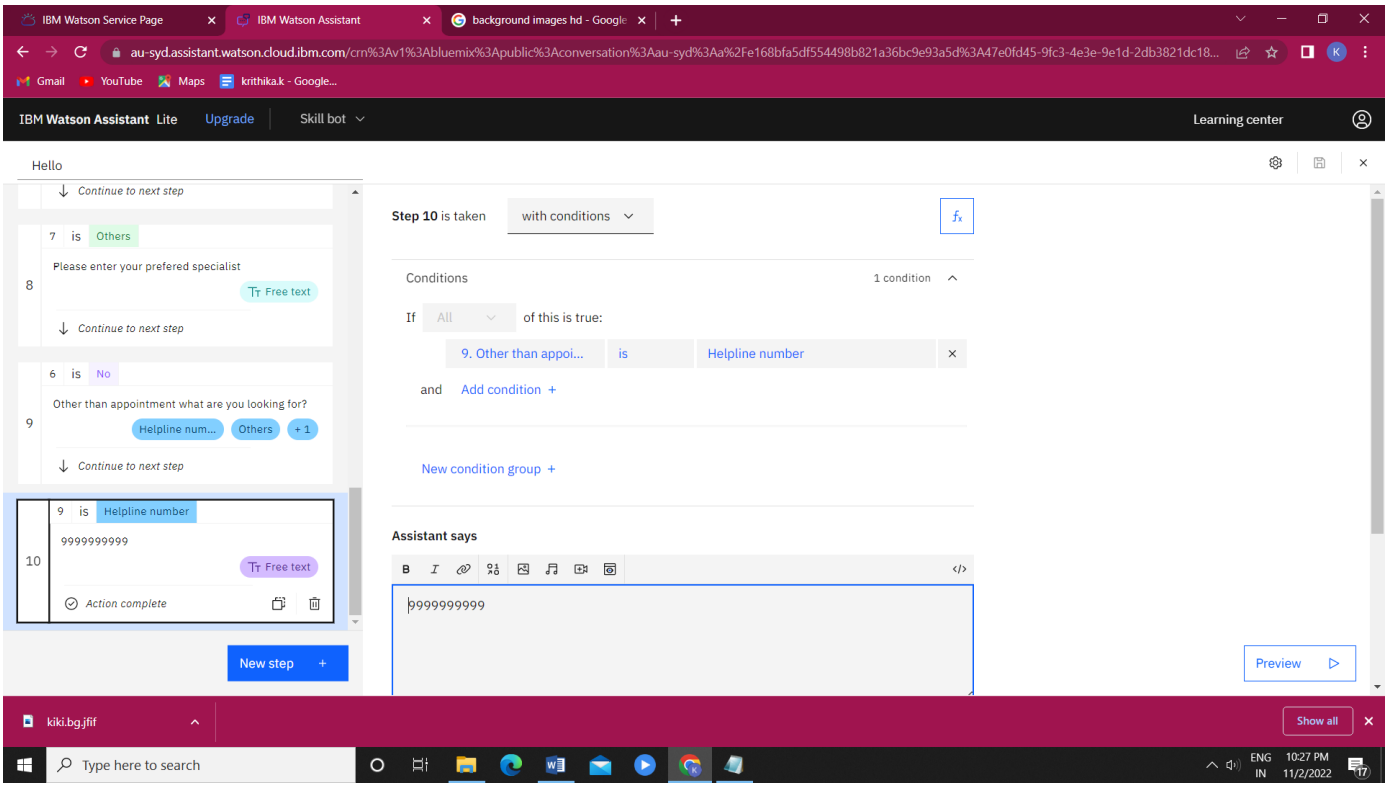


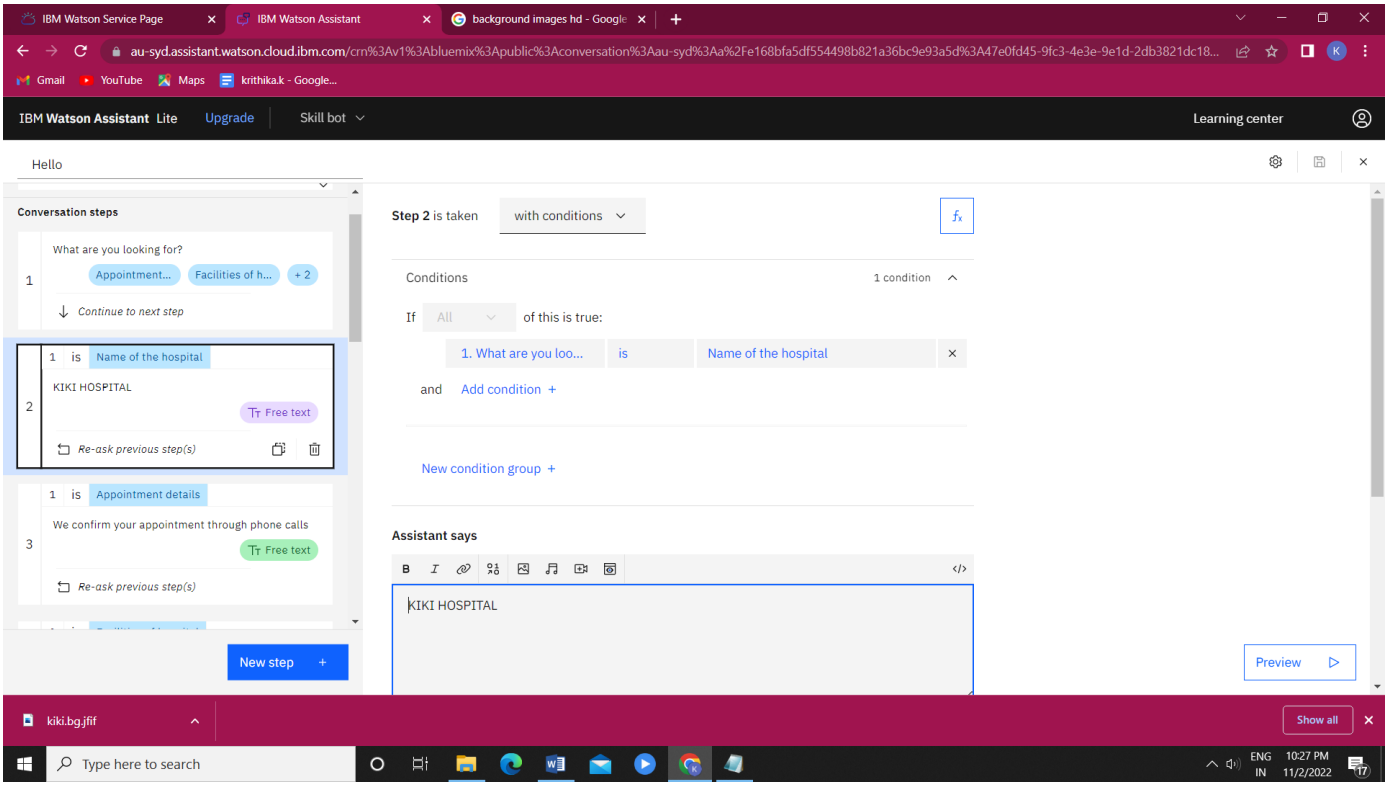
**Web URL for Assistant:**

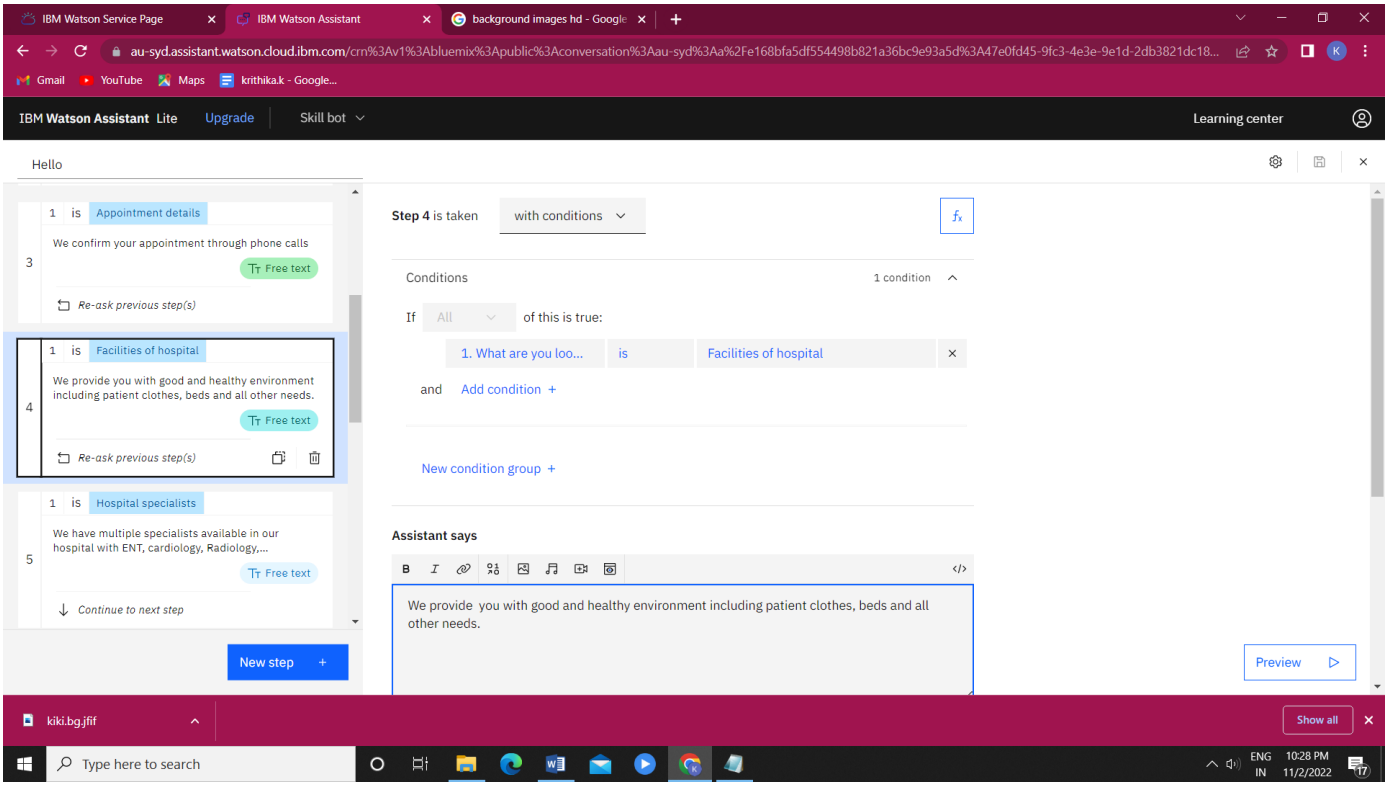
https://web-chat.global.assistant.watson.appdomain.cloud/preview.html?backgroundImageURL=https%3A%2F%2Fau-syd.assistant.watson.cloud.ibm.com%2Fpublic%2Fimages%2Fupx-47e0fd45-9fc3-4e3e-9e1d-2db3821dc180%3A%3A086906ae-3a86-4691-9bae-3ce8e98fc0f5&integrationID=eeeb0f13-acd5-4637-97ea-c530364c7833&region=au-syd&serviceInstanceID=47e0fd45-9fc3-4e3e-9e1d-2db3821dc180

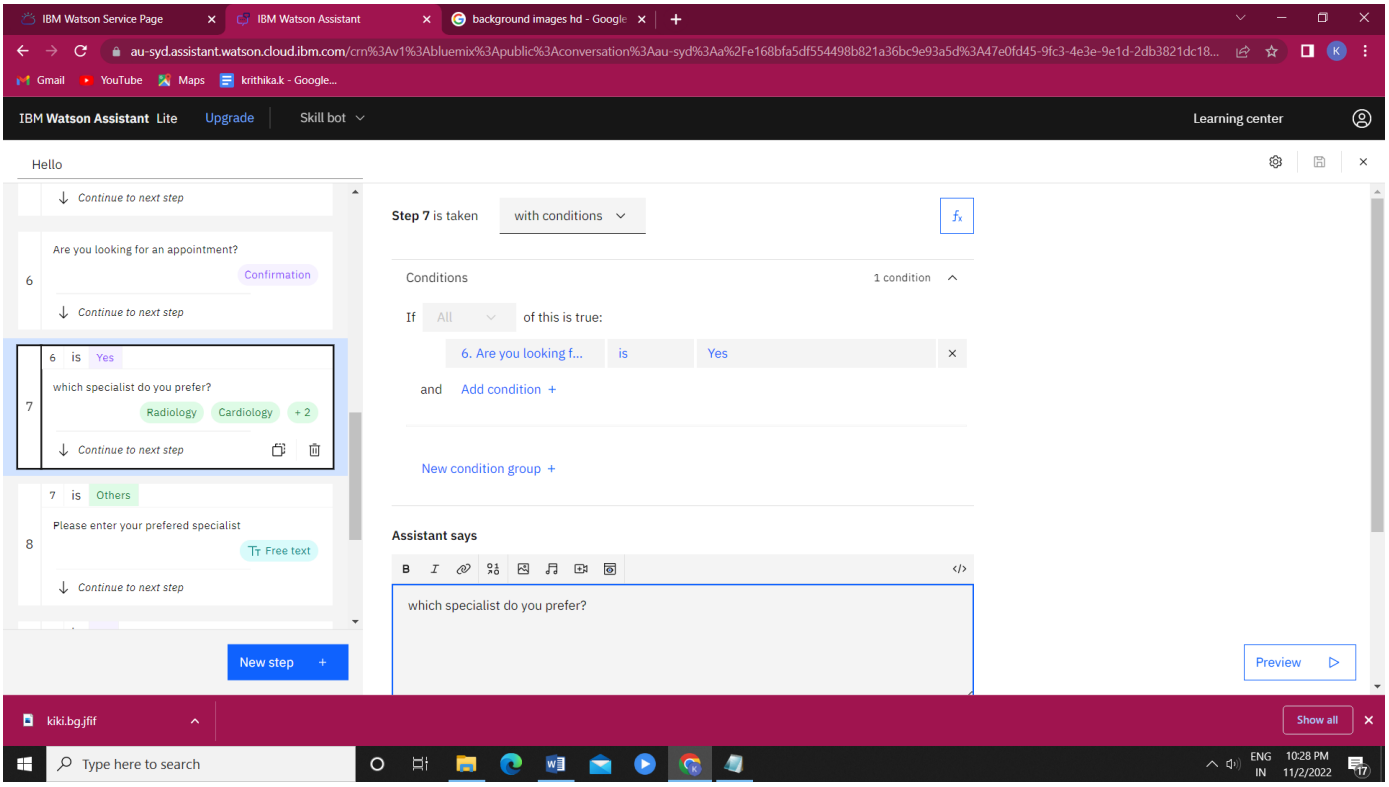
## 4. Create Watson assistant service with 10 steps and use 3 conditions in it. Load thatscript in HTML page.



# Included 3 conditions in steps:




IBM Watson Service Page
IBM Watson Assistant
background images hd - Google
au-syd.assistant.watson.cloud.ibm.com/crn%3Av1%3Abluemix%3Apublic%3Aconversation%3Aau-syd%3Aa%2Fe168bfa5df554498b821a36bc9e93a5d%3A47e0fd45-9fc3-4e3e-9e1d-2db3821dc18...
Gmail
YouTube
Maps
krithika.k - Google...
IBM Watson Assistant Lite
Upgrade
Skill bot
Learning center
Hello
Continue to next step
Are you looking for an appointment?
6
Confirmation
Continue to next step
6 is Yes
which specialist do you prefer?
7
Radiology
Cardiology
+ 2
Continue to next step
7 is Others
Please enter your prefered specialist
8
Free text
Continue to next step
New step +
Step 7 is taken
with conditions
Conditions
1 condition
If All of this is true:
6. Are you looking f...
is
Yes
and
Add condition +
New condition group +
Assistant says
which specialist do you prefer?
Preview
kiki.bg.jfif
Show all
Type here to search
ENG
IN
10:28 PM
11/2/2022

## 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: "eeeb0f13-acd5-4637-97ea-c530364c7833", // The ID of this integration.
    region: "au-syd", // The region your integration is hosted in.
    serviceInstanceID: "47e0fd45-9fc3-4e3e-9e1d-2db3821dc180", // 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
```