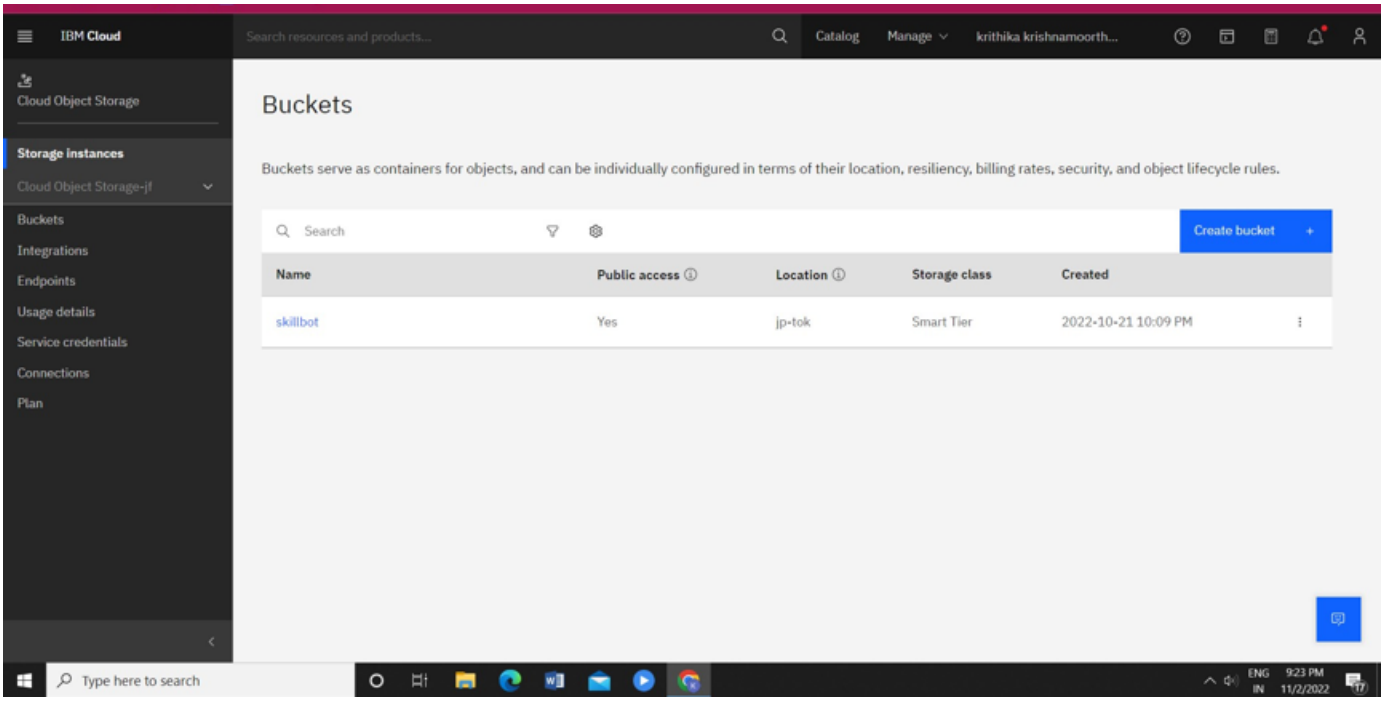
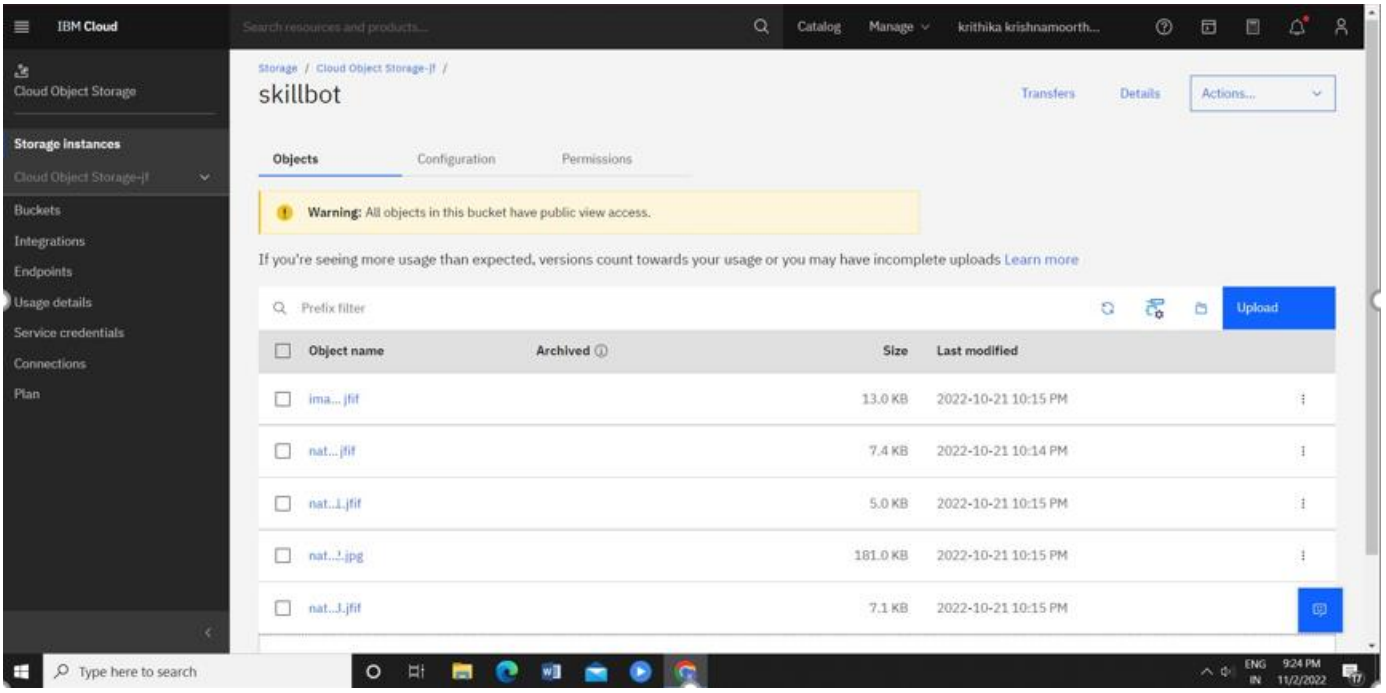
Assignment-3

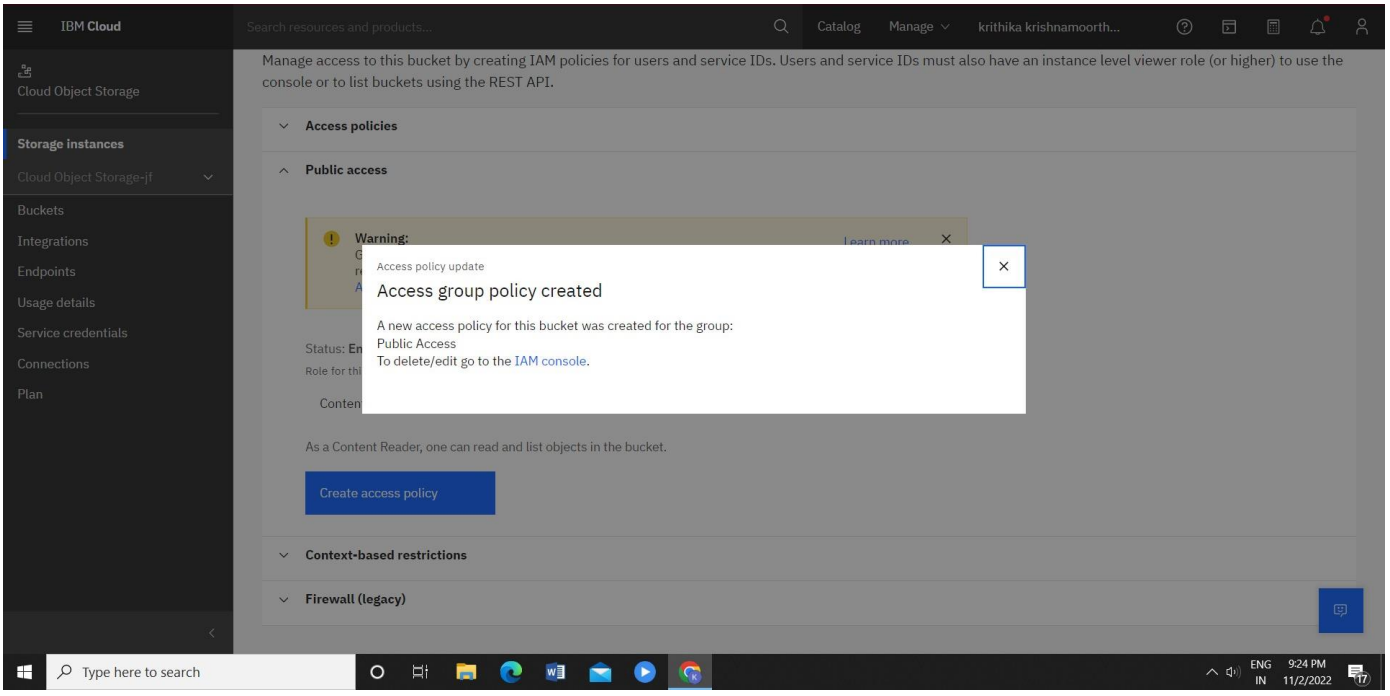
Date	10 November 2022
Team ID	PNT2022TMID13419
Project Name	Skill and Job Recommender Application

1. CREATE A BUCKET IN IBM OBJECT STORAGE.

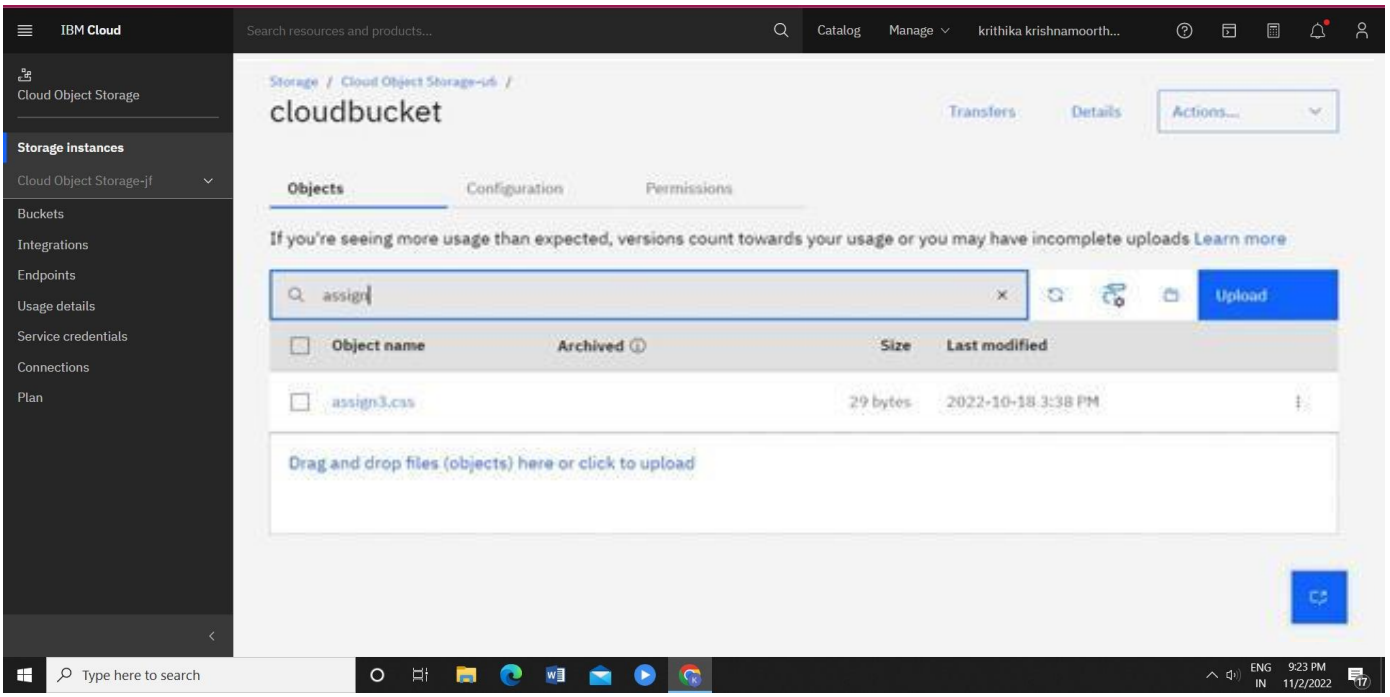


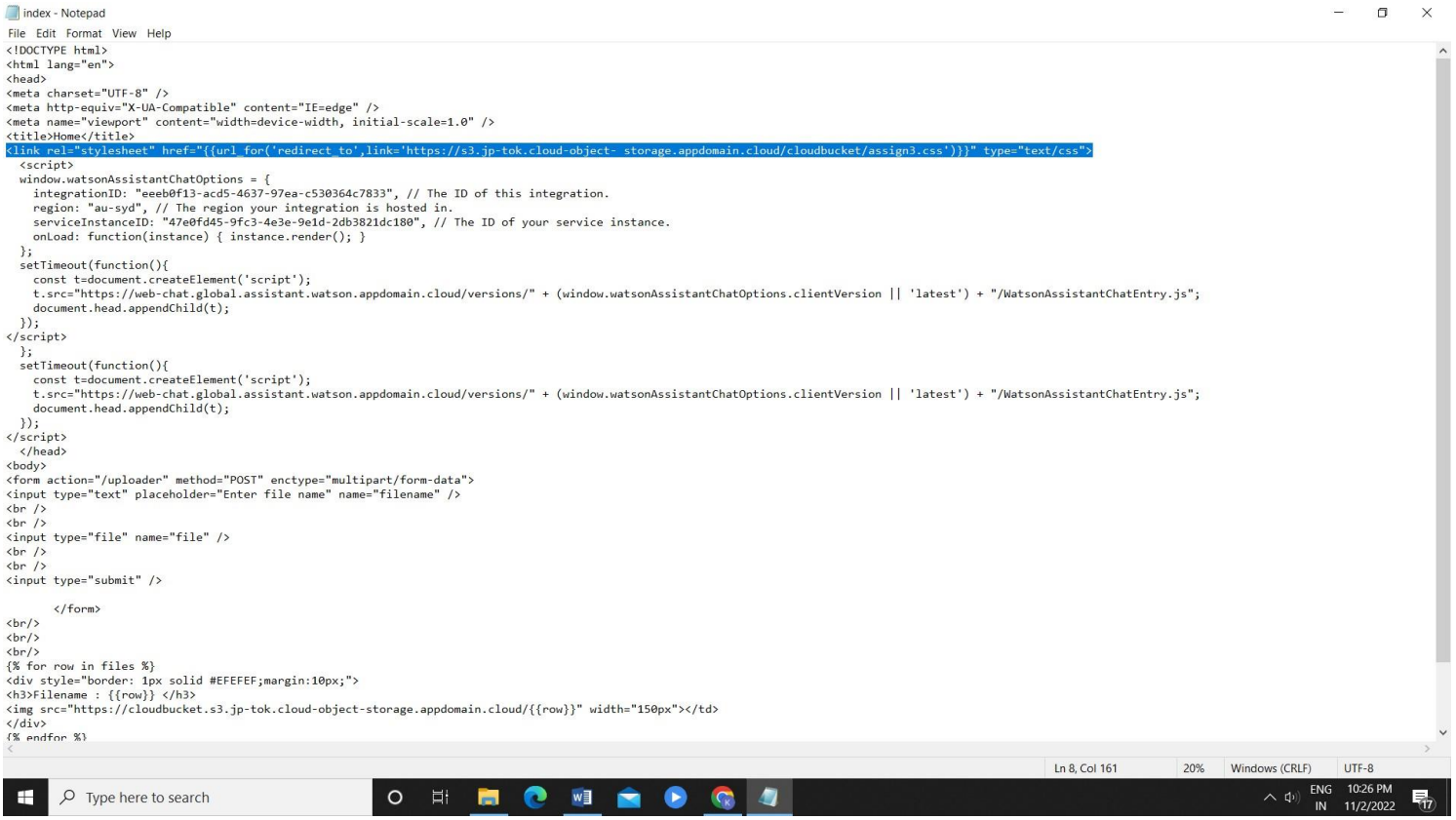
Upload an 5 images to ibm object storage and make it public.
Write html code todisplaying all the 5 images.



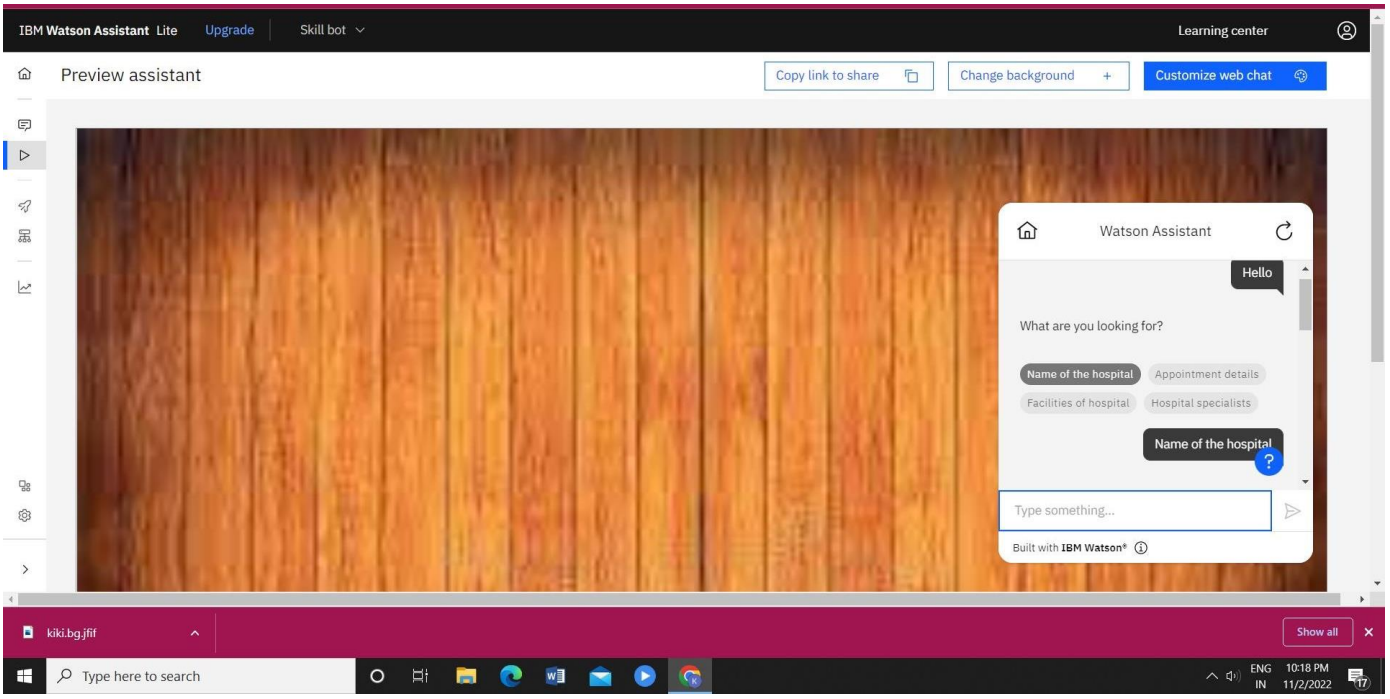


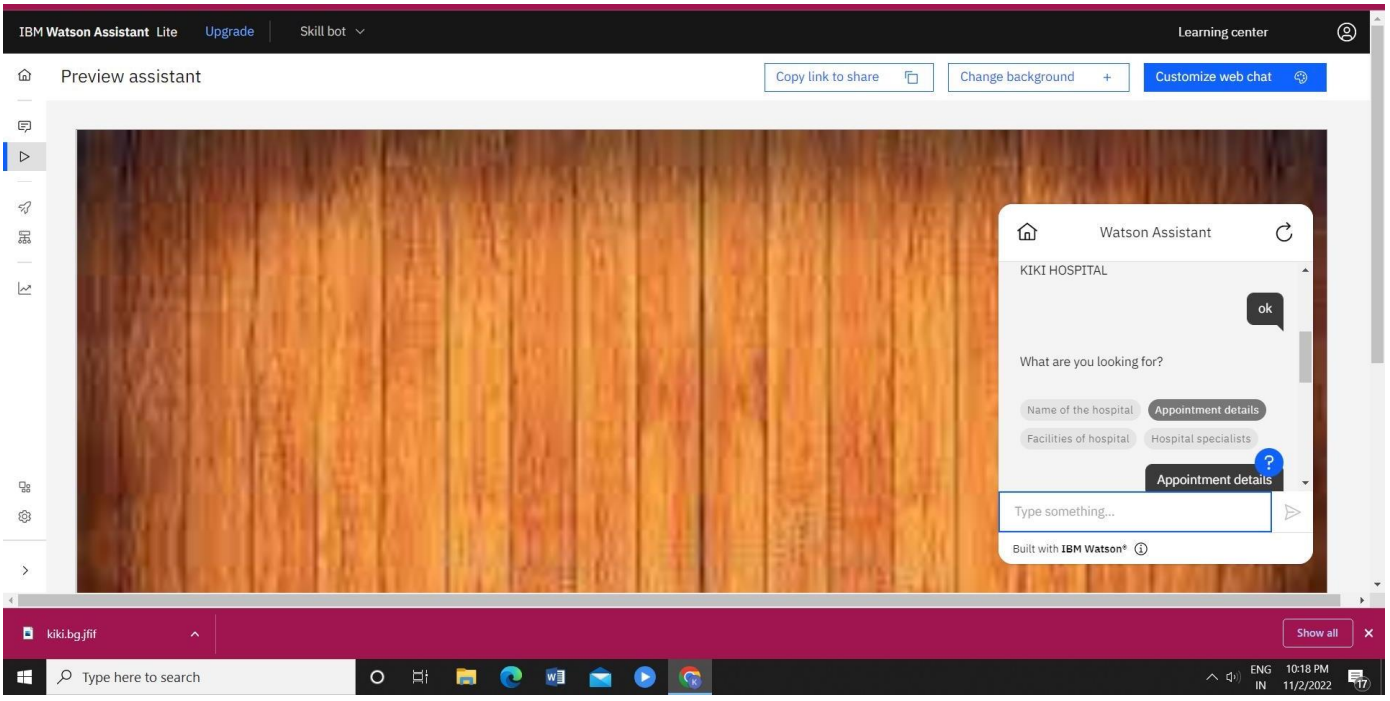
2. Upload a css page to the object storage and use the same page in your HTML code.





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

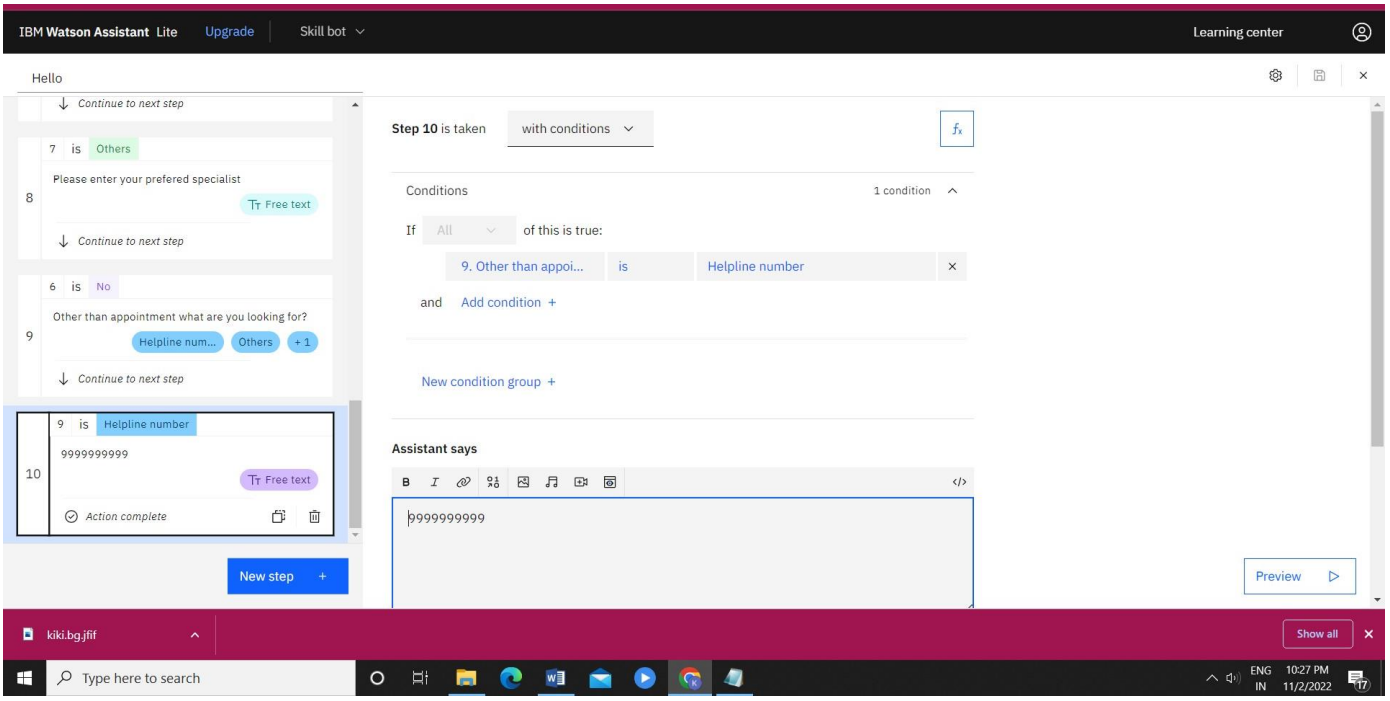




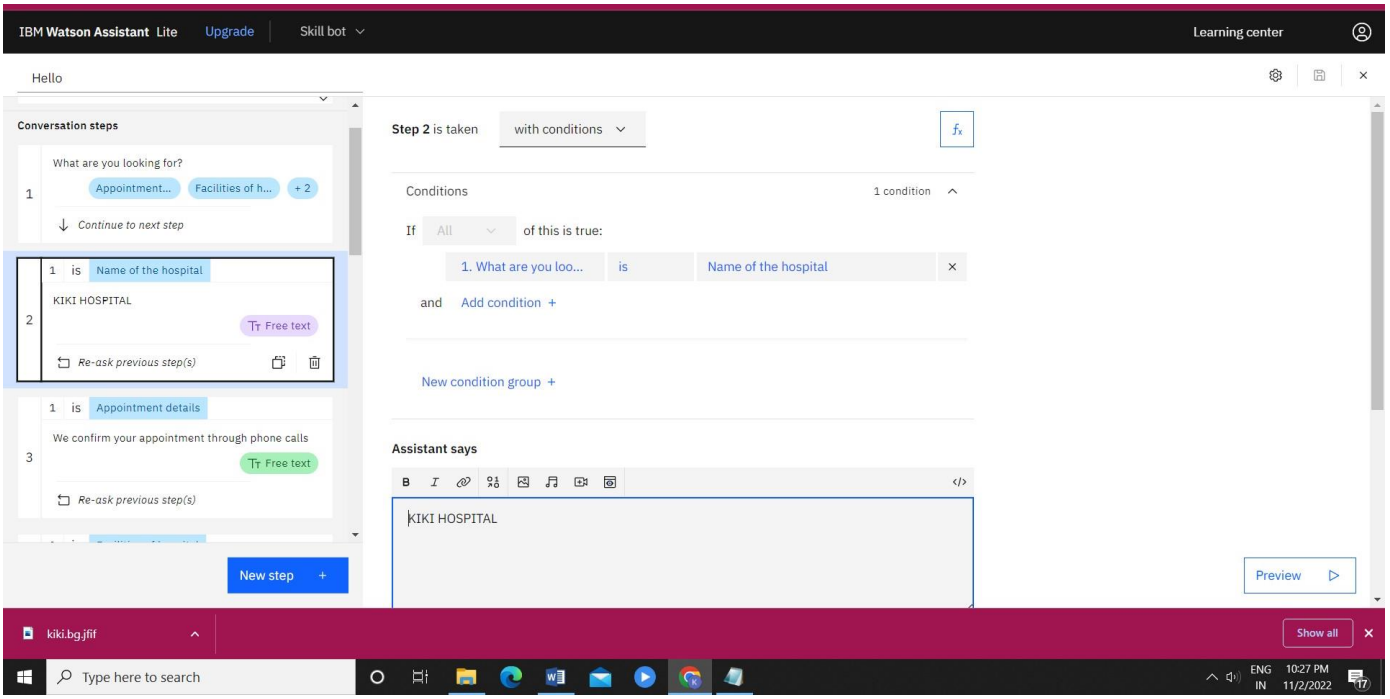
Web URL for Assistant:

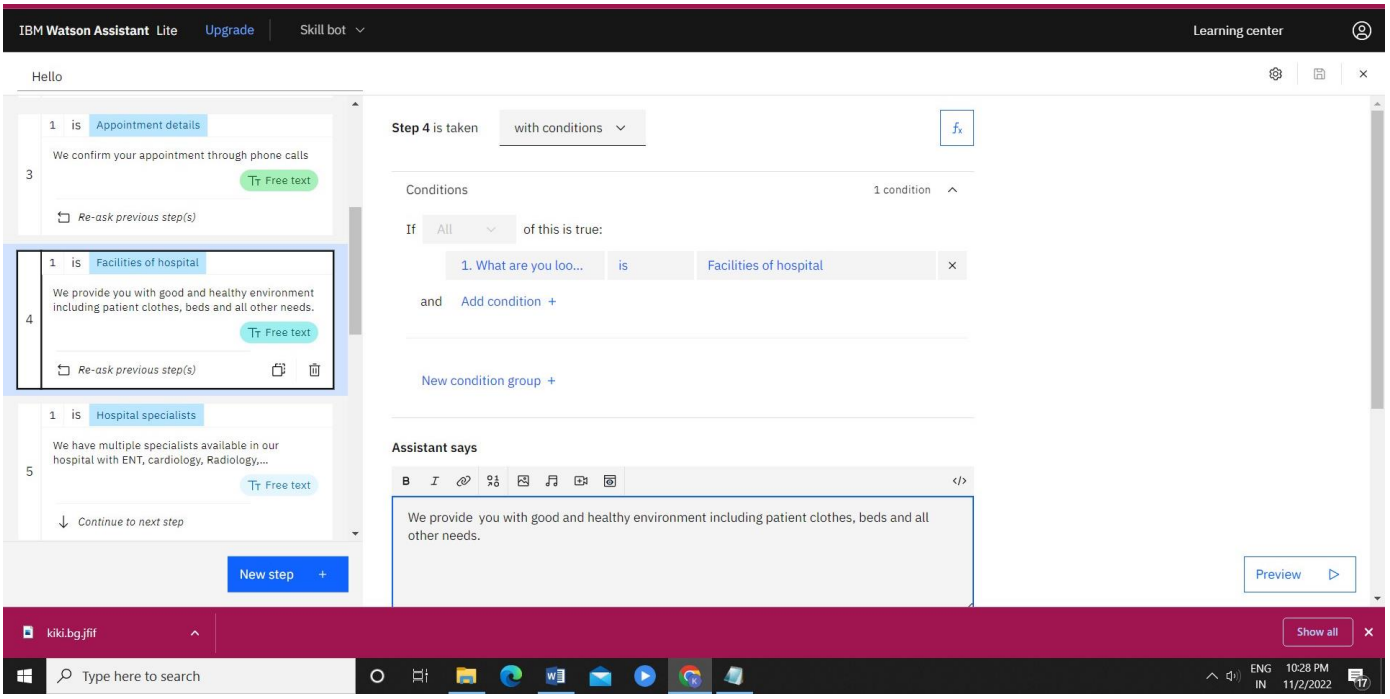
https://web-chat.global.assistant.watson.appdomain.cloud/preview.html?backgroundImageURL=https%3A%2F%2Fau-syd.assistant.watson.cloud.ibm.com%2Fpublic%2Fimages%2Fupx-47e0fd45-9fc3-4e3e-9e1d-2db3821dc180%3A%3A086906ae-3a86-4691-9bae3ce8e98fc0f5&integrationID=eeeb0f13-acd5-4637-97ea-c530364c7833&region=ausyd&serviceInstanceID=47e0fd45-9fc3-4e3e-9e1d-2db3821dc180

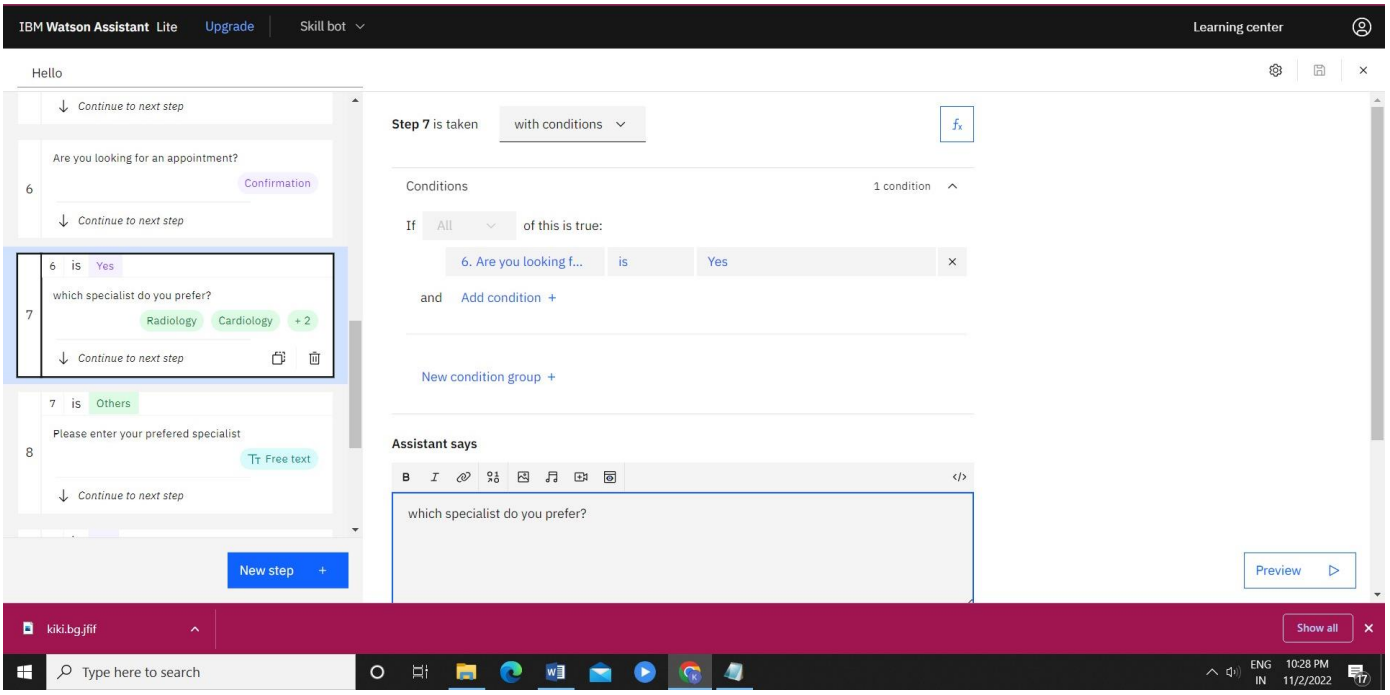
4. Create Watson assistant service with 10 steps and use 3 conditions in it. Load thatscript in HTML page.



Included 3 conditions in steps:


IBM Watson Assistant Lite
Upgrade
Skill bot
Learning center
Hello
Conversation steps
What are you looking for?
Appointment...
Facilities of h...
+ 2
Continue to next step
1 is Name of the hospital
KIKI HOSPITAL
Free text
Re-ask previous step(s)
1 is Appointment details
We confirm your appointment through phone calls
Free text
Re-ask previous step(s)
New step
Step 2 is taken
with conditions
Conditions
1 condition
If All of this is true:
1. What are you loo...
is
Name of the hospital
and
Add condition +
New condition group +
Assistant says
KIKI HOSPITAL
Preview
kiki.bg.jfif
Show all
Type here to search
ENG
IN
10:27 PM
11/2/2022


IBM Watson Assistant Lite
Upgrade
Skill bot
Learning center
Hello
1 is Appointment details
We confirm your appointment through phone calls
Free text
Re-ask previous step(s)
1 is Facilities of hospital
We provide you with good and healthy environment including patient clothes, beds and all other needs.
Free text
Re-ask previous step(s)
1 is Hospital specialists
We have multiple specialists available in our hospital with ENT, cardiology, Radiology,...
Free text
Continue to next step
New step
Step 4 is taken
with conditions
Conditions
1 condition
If All of this is true:
1. What are you loo...
is
Facilities of hospital
and
Add condition +
New condition group +
Assistant says
We provide you with good and healthy environment including patient clothes, beds and all other needs.
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
```