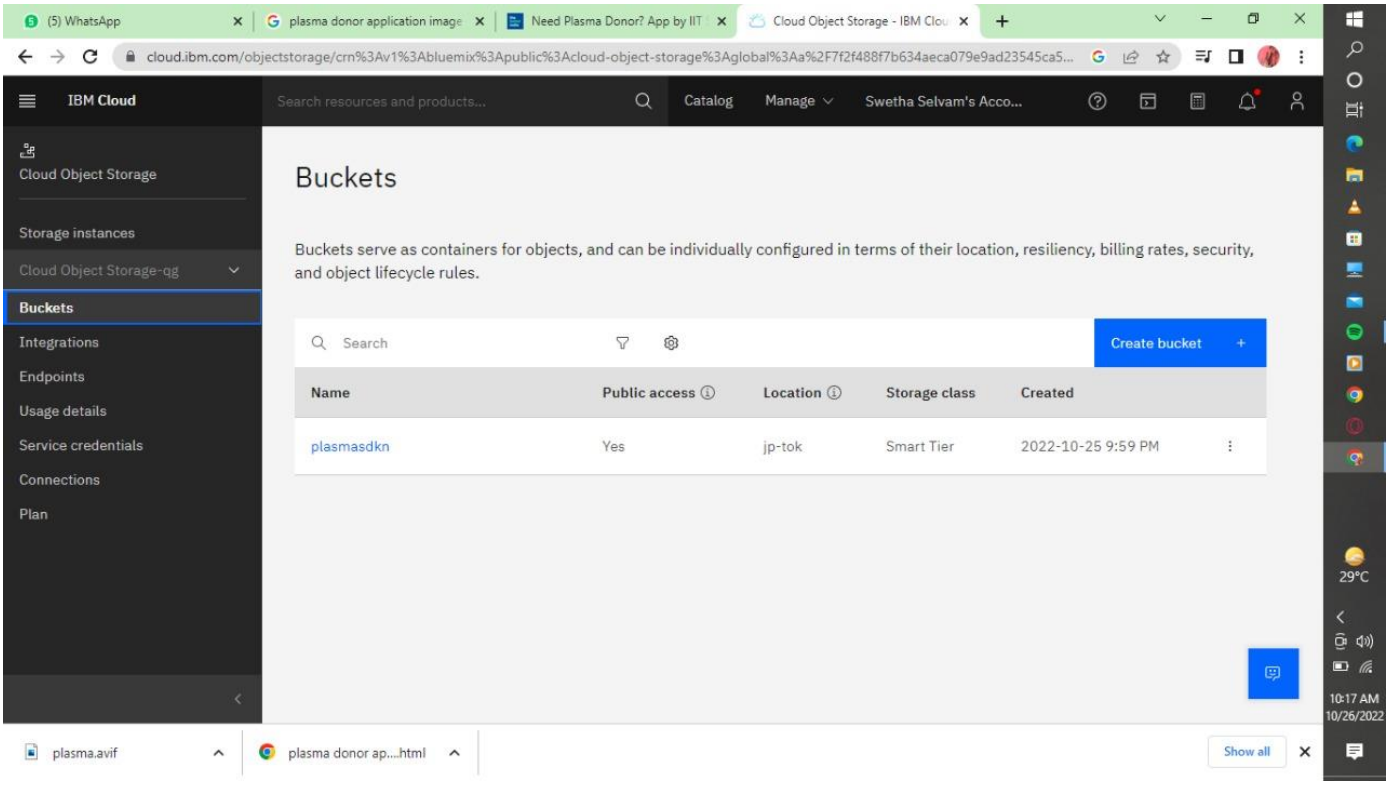
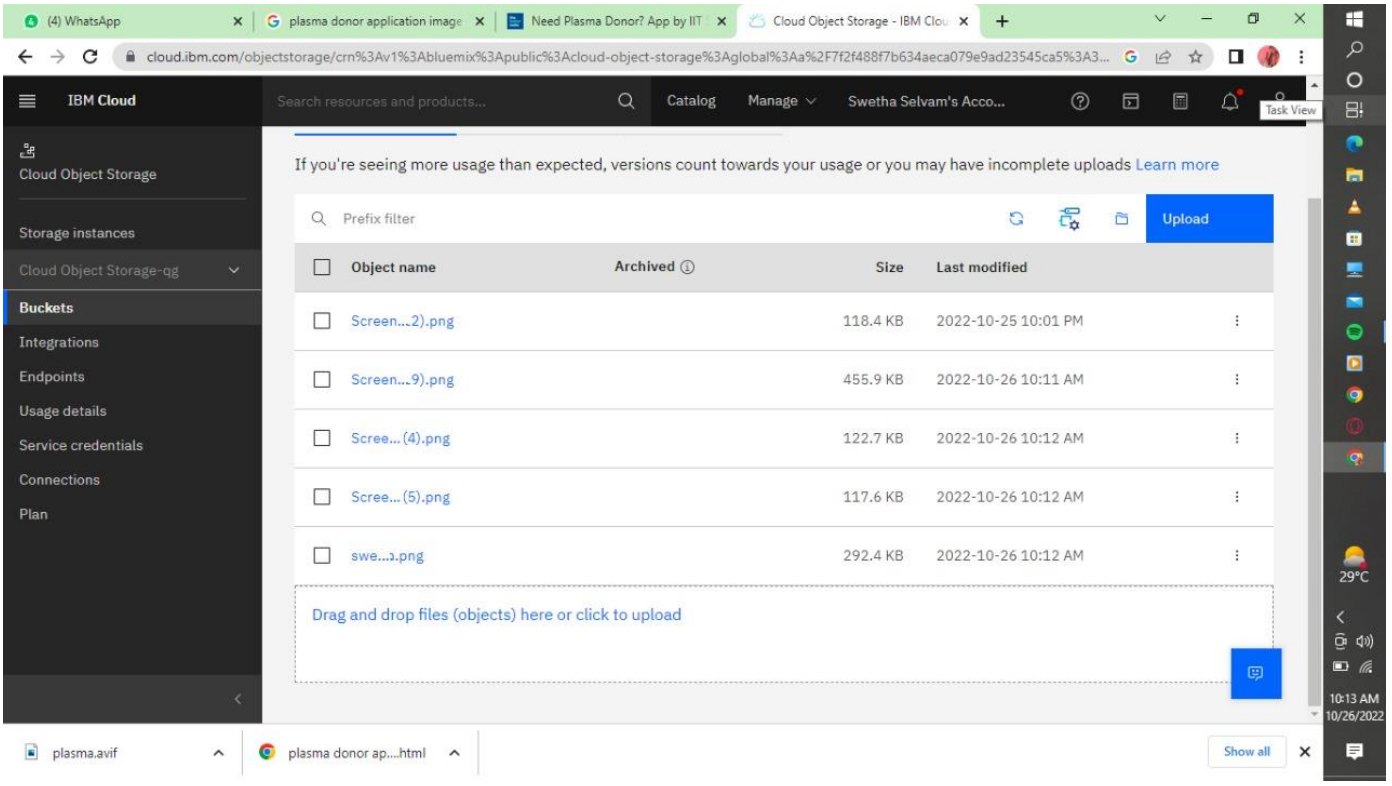
Assignment-3

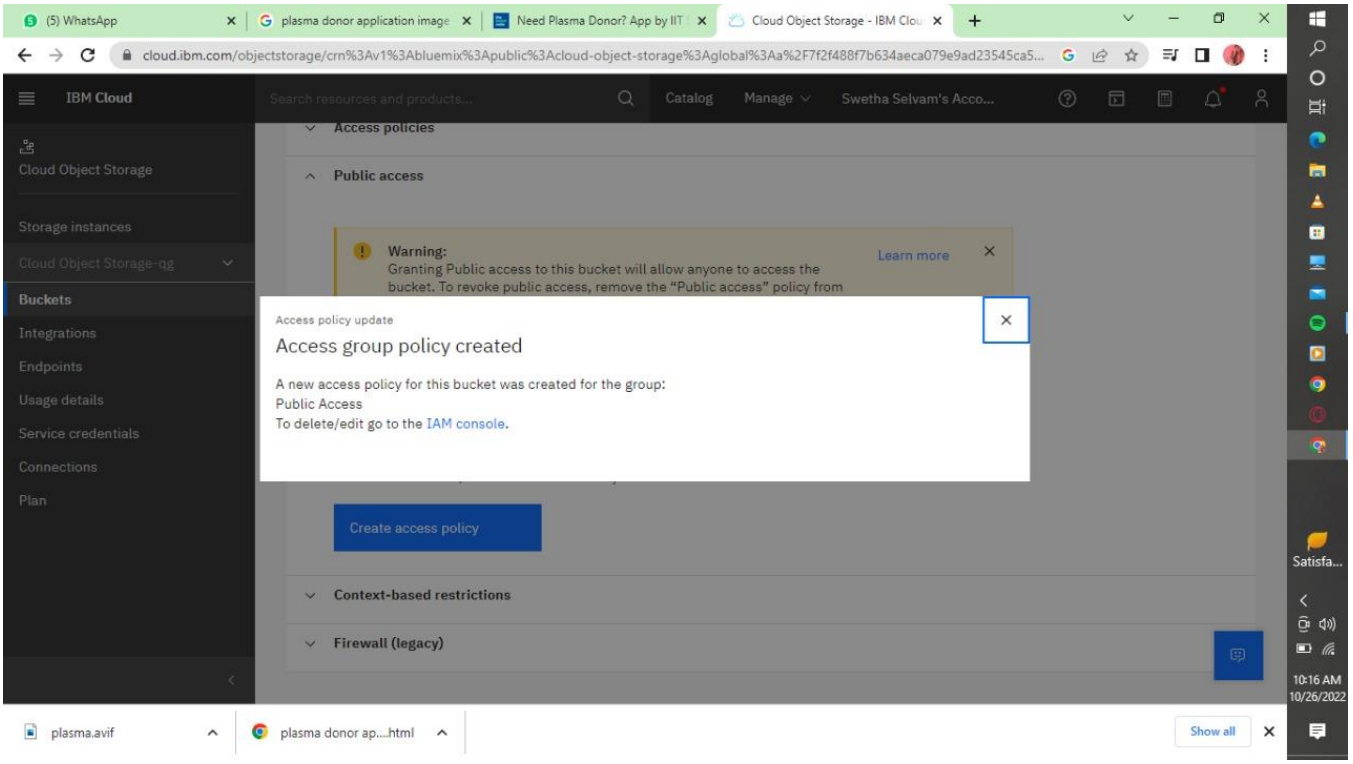
Date	10 October 2022
Team ID	PNT2022TMID30734
Project Name	Plasma Donor Application

1. CREATE A BUCKET IN IBM OBJECT STORAGE.

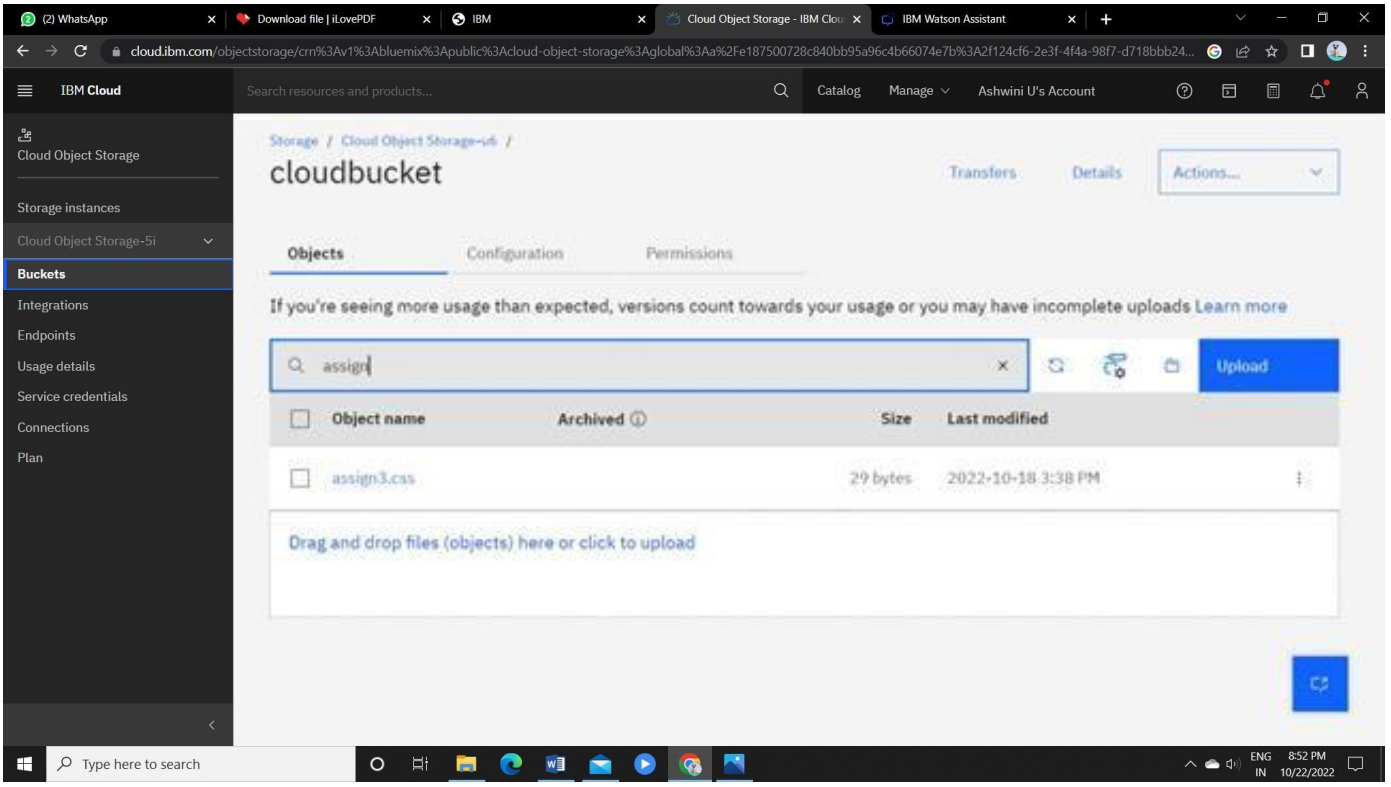


Upload an 5 images to ibm object storage and make it public.
Write html code todisplaying all the 5 images.


(4) WhatsApp
plasma donor application image
Need Plasma Donor? App by IIT
Cloud Object Storage - IBM Clou
cloud.ibm.com/objectstorage/crn%3Av1%3Abluemix%3Apublic%3Acloud-object-storage%3Aglobal%3Aa%2F7f2f488f7b634aeca079e9ad23545ca5%3A3...
IBM Cloud
Search resources and products...
Catalog
Manage
Swetha Selvam's Acco...
Task View
Cloud Object Storage
Storage instances
Cloud Object Storage-qg
Buckets
Integrations
Endpoints
Usage details
Service credentials
Connections
Plan
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
Screen...2).png
118.4 KB
2022-10-25 10:01 PM
Screen...9).png
455.9 KB
2022-10-26 10:11 AM
Scree... (4).png
122.7 KB
2022-10-26 10:12 AM
Scree... (5).png
117.6 KB
2022-10-26 10:12 AM
swe...ɔ.png
292.4 KB
2022-10-26 10:12 AM
Drag and drop files (objects) here or click to upload
29°C
10:13 AM
10/26/2022
plasma.avif
plasma donor ap....html
Show all


(5) WhatsApp
plasma donor application image
Need Plasma Donor? App by IIT
Cloud Object Storage - IBM Clou
cloud.ibm.com/objectstorage/crn%3Av1%3Abluemix%3Apublic%3Acloud-object-storage%3Aglobal%3Aa%2F7f2f488f7b634aeca079e9ad23545ca5...
IBM Cloud
Search resources and products...
Catalog
Manage
Swetha Selvam's Acco...
Cloud Object Storage
Storage instances
Cloud Object Storage-qg
Buckets
Integrations
Endpoints
Usage details
Service credentials
Connections
Plan
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
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.
Create access policy
Context-based restrictions
Firewall (legacy)
Satisfa...
10:16 AM
10/26/2022
plasma.avif
plasma donor ap....html
Show all

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



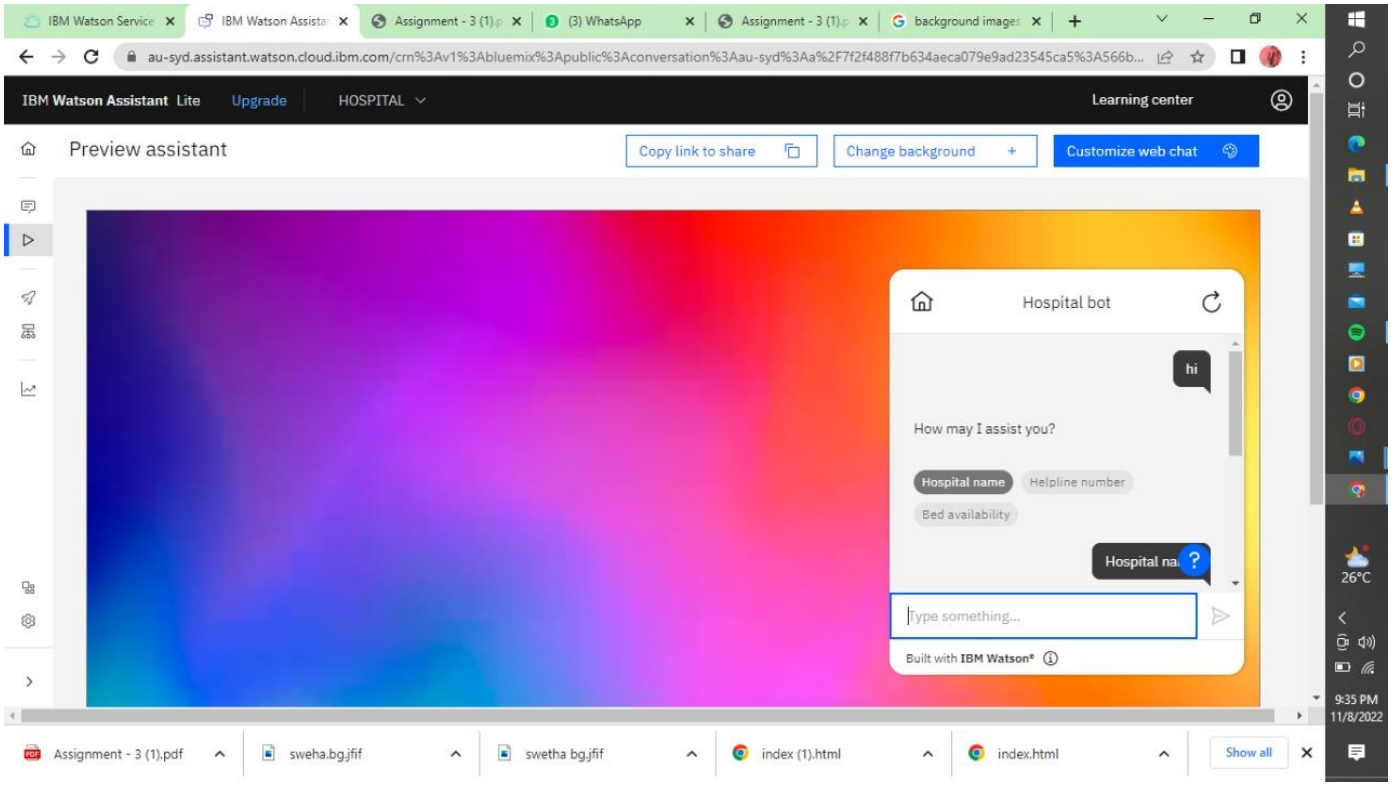
index - Notepad

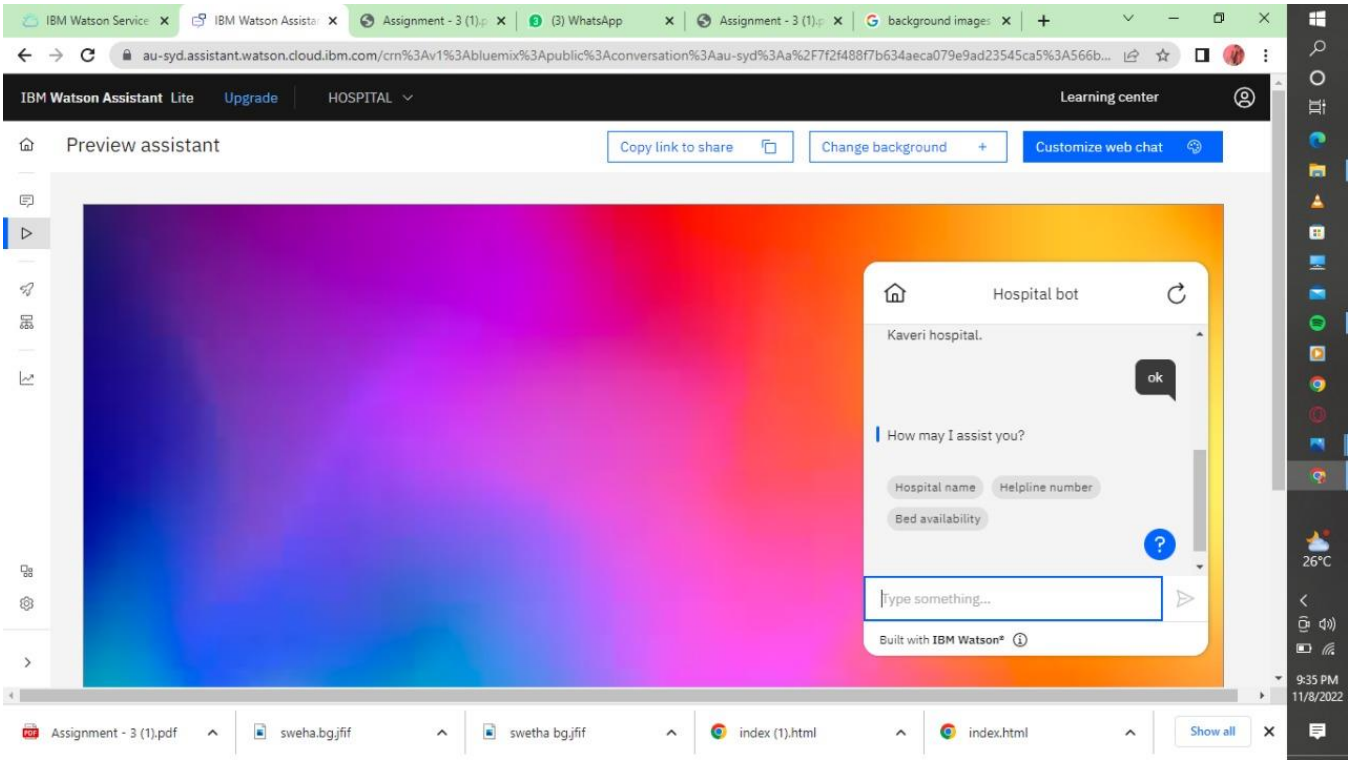
File Edit Format View Help

```
<!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: "ab96c998-fc56-44eb-9ba1-001d502fc47f", // The ID of this integration.
    region: "au-syd", // The region your integration is hosted in.
    serviceInstanceID: "566bcbbe-3656-4fee-8c72-9853c64f35e3", // 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>
```

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

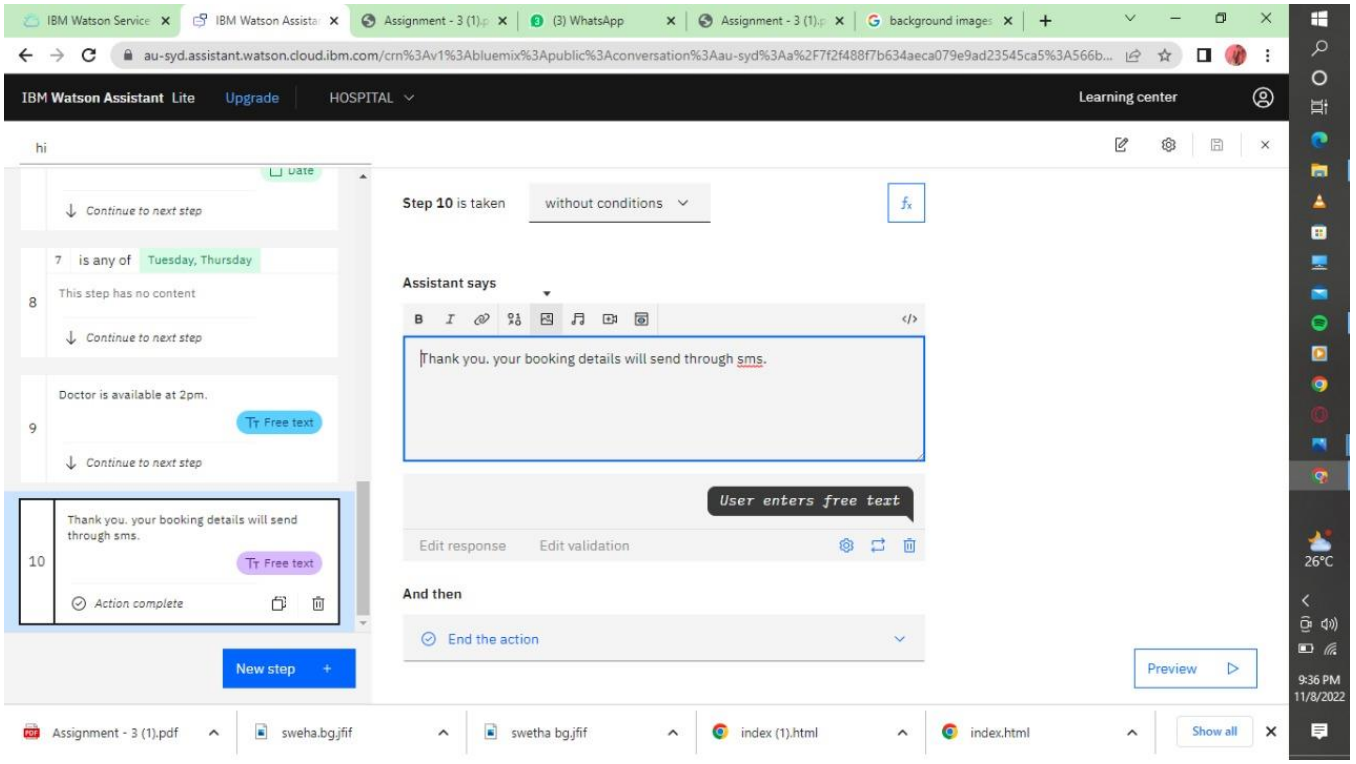




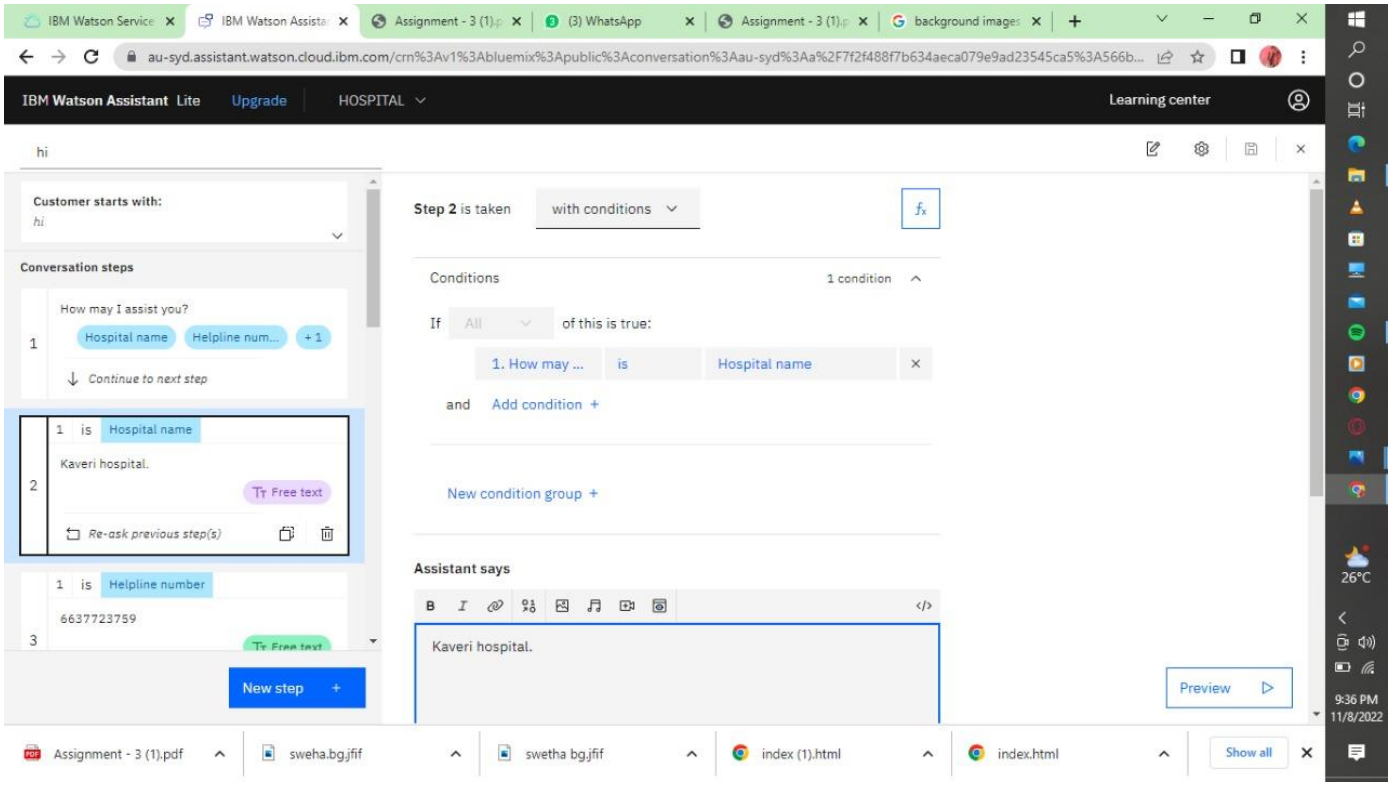
Web URL for Assistant:

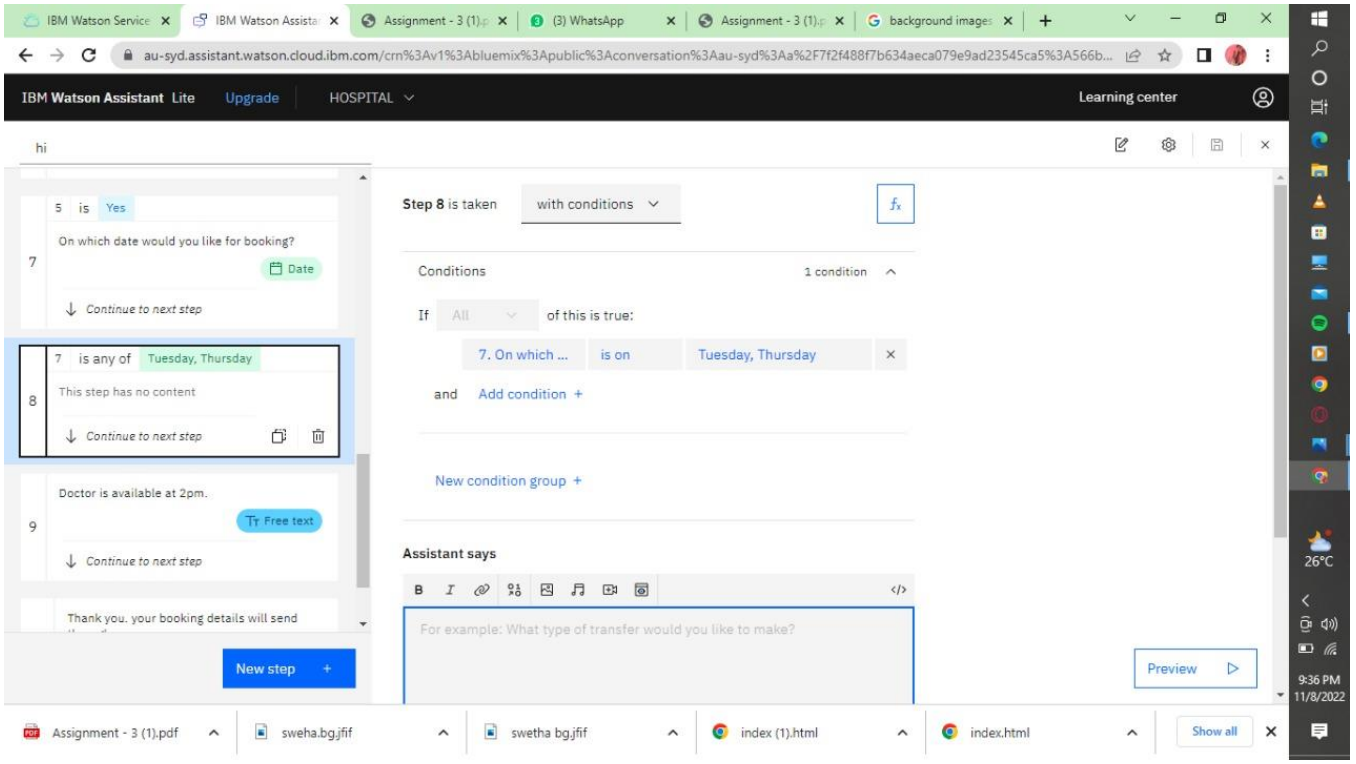
https://web-chat.global.assistant.watson.appdomain.cloud/preview.html?backgroundImageURL=https%3A%2F%2Fau-syd.assistant.watson.cloud.ibm.com%2Fpublic%2Fimages%2Fupx-566bcbbe-3656-4fee-8c72-9853c64f35e3%3A%3A101effc6-ad22-489d-bc5e-19c352ec9c23&integrationID=ab96c998-fc56-44eb-9ba1-001d502fc47f&region=au-syd&serviceInstanceID=566bcbbe-3656-4fee-8c72-9853c64f35e3

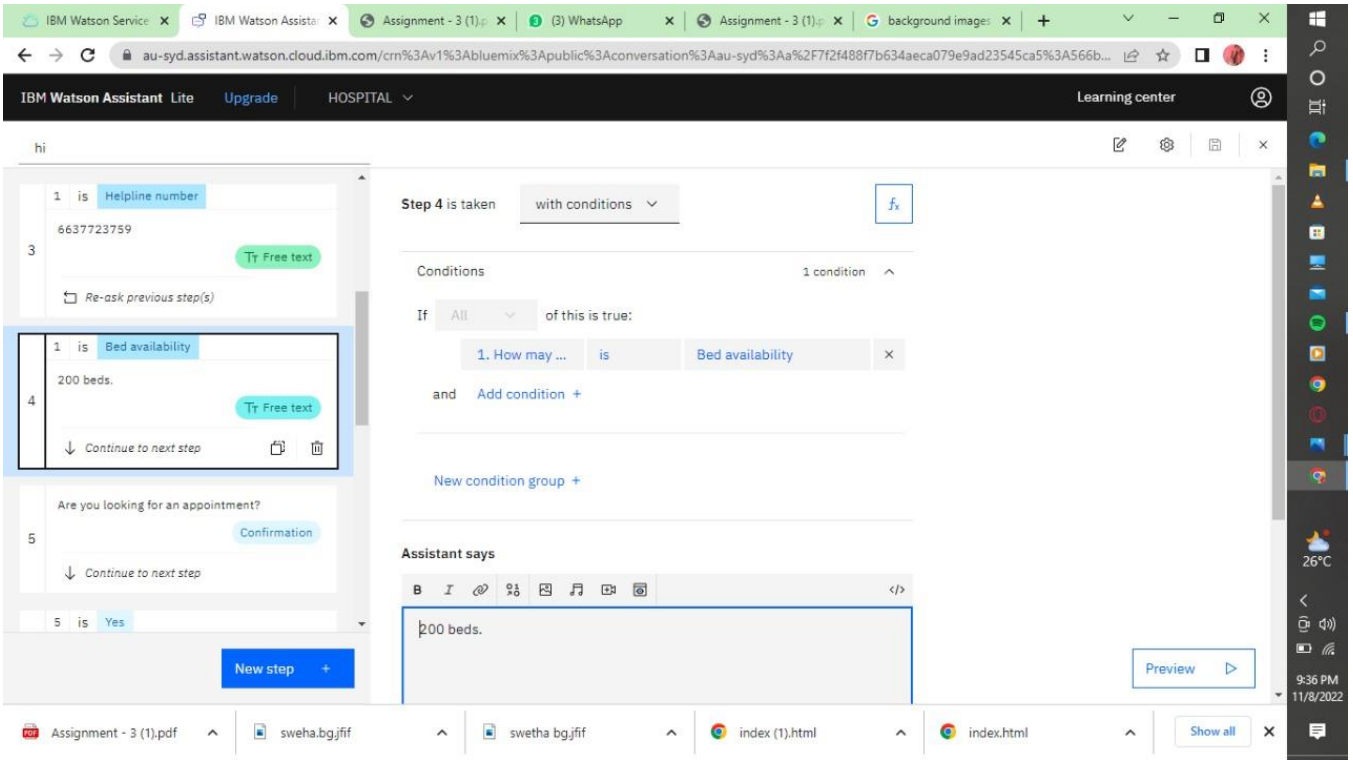
4. Create Watson assistant service with 10 steps and use 3 conditions in it. Load thatscript in HTML page.



Included 3 conditions in steps:






IBM Watson Service
IBM Watson Assista
Assignment - 3 (1).p
(3) WhatsApp
Assignment - 3 (1).p
background images
au-syd.assistant.watson.cloud.ibm.com/crn%3Av1%3Abluemix%3Apublic%3Aconversation%3Aau-syd%3Aa%2F7f2f488f7b634aeca079e9ad23545ca5%3A566b...
IBM Watson Assistant Lite
Upgrade
HOSPITAL
Learning center
hi
1 is Helpline number
6637723759
3
Free text
Re-ask previous step(s)
1 is Bed availability
200 beds.
4
Free text
Continue to next step
Are you looking for an appointment?
5
Confirmation
Continue to next step
5 is Yes
New step
Step 4 is taken
with conditions
Conditions
1 condition
If All of this is true:
1. How may ... is Bed availability
and Add condition +
New condition group +
Assistant says
200 beds.
Preview
26°C
9:36 PM
11/8/2022
Assignment - 3 (1).pdf
sweha.bg.jfif
swetha bg.jfif
index (1).html
index.html
Show all

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: "ab96c998-fc56-44eb-9ba1-001d502fc47f", // The ID of this integration.

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

    serviceInstanceID: "566bcbbe-3656-4fee-8c72-9853c64f35e3", // 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
```