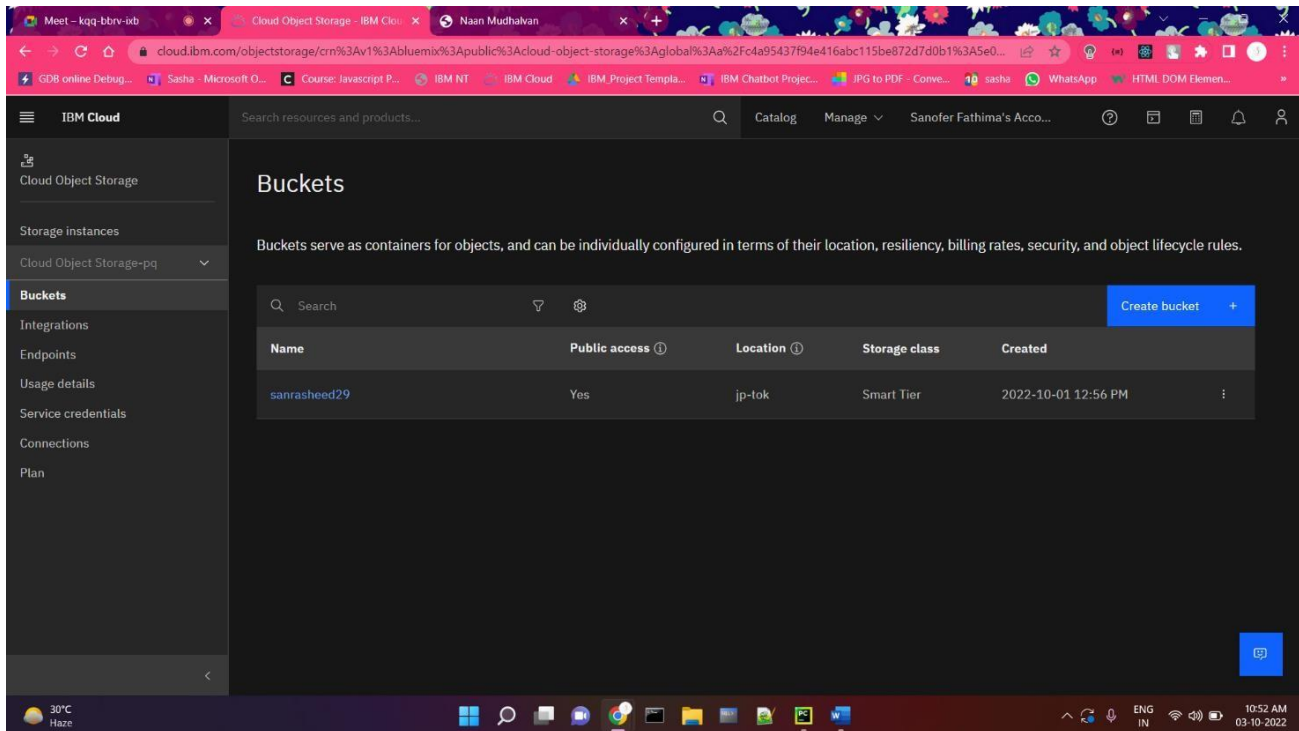


ASSIGNMENT 4

CLOUD APPLICATION DEVELOPMENT

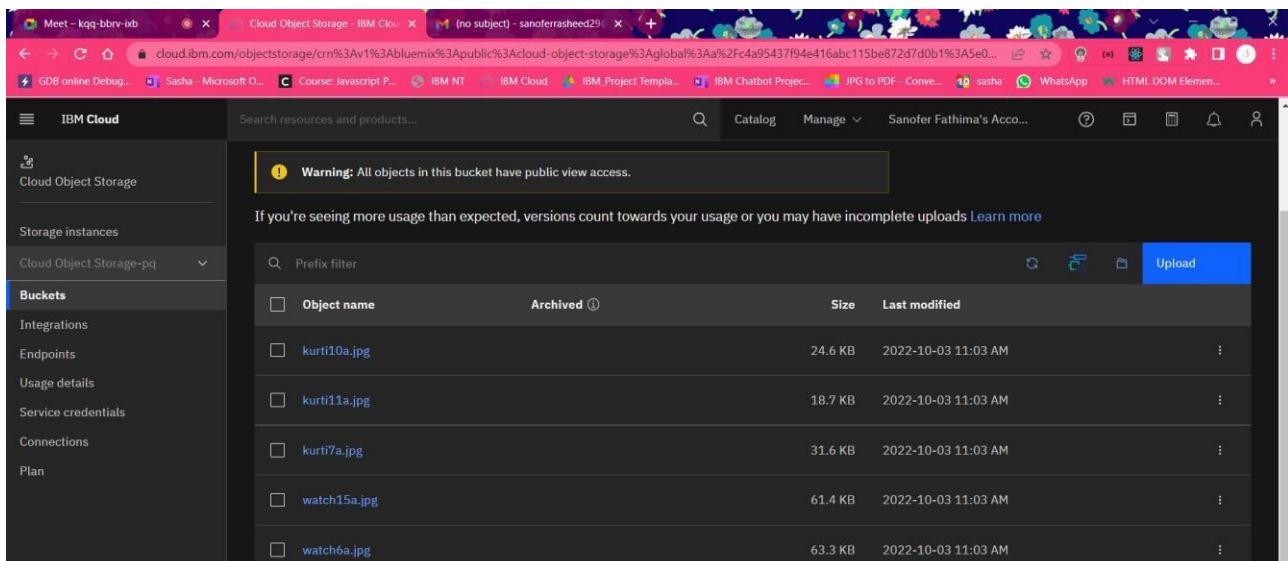
Assignment Date	9 October 2022
Student Name	S.Suriya jothi
Student Roll Number	912619104029
Maximum Marks	2 Marks

1. Create a Bucket in IBM object storage.



Thus a bucket is created with an unique name sanrasheed29.

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



Thus, Five images are uploaded and access is made public.

PYTHON CODE:

```
from flask import Flask,render_template,request,redirect,url_for
from connect import *
from objstorage import *
app= Flask(__name__)
```

```
@app.route("/assign3")
def objstorage():
    for i in range(0,len(imagearr)):
        imagearr[i]="https://s3.jp-tok.cloud-object-
storage.appdomain.cloud/sanrasheed29/"+imagearr[i]
    print("objstorage ", imagearr)
    return render_template('assign3.html',arr=imagearr)
```

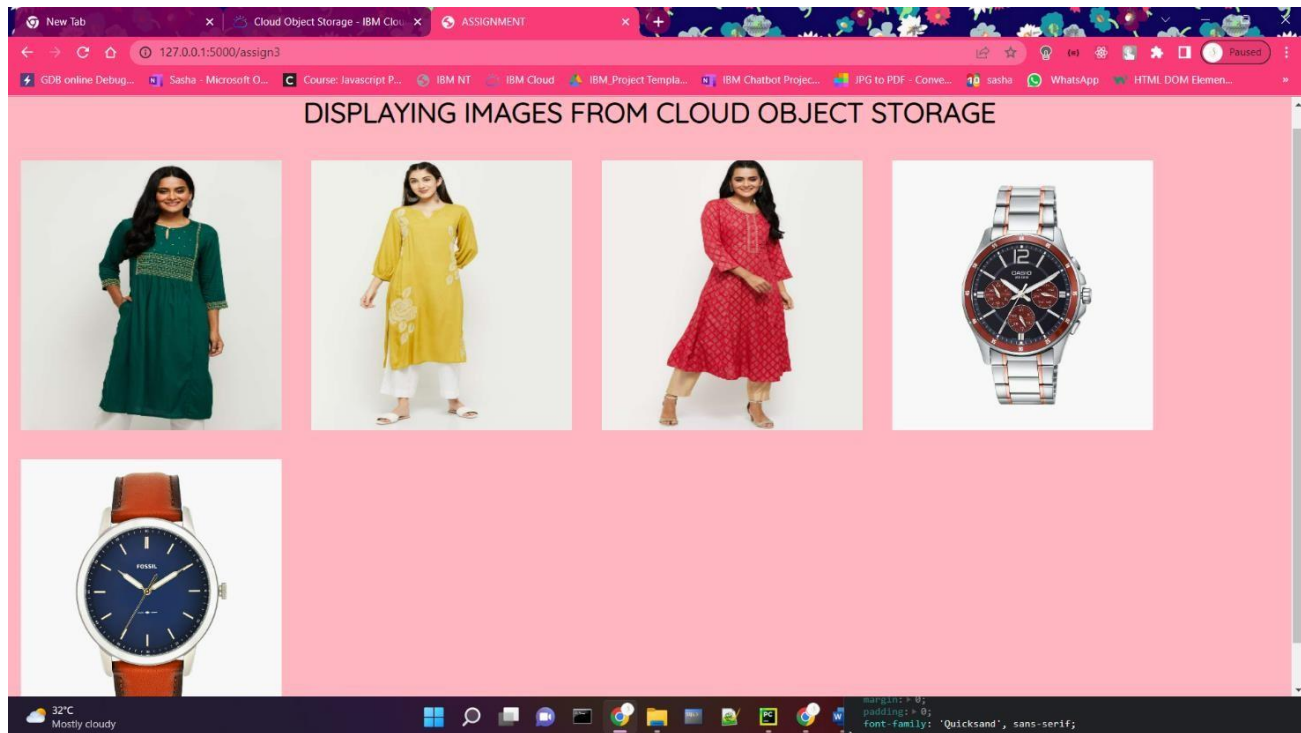
```
@app.route('/redirect_to')
def redirect_to():
    link = request.args.get('link', '/')
    return redirect(link), 301
```

```
if(__name__=='__main__'):
    app.run()
```

HTML CODE TO DISPLAY IMAGES:

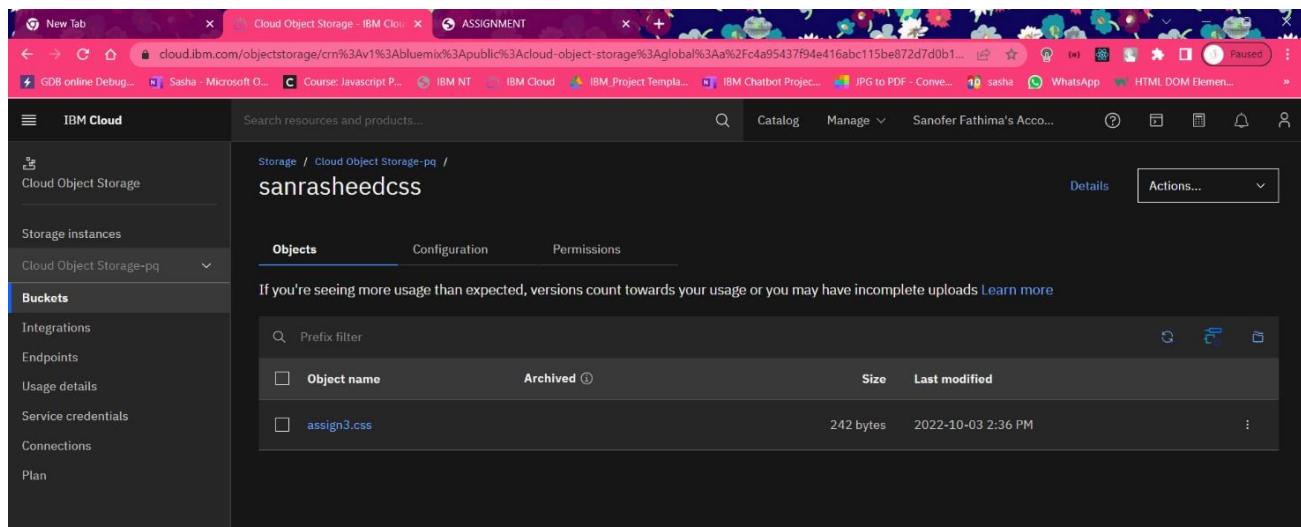
```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>ASSIGNMENT</title>
    <link rel="stylesheet" href="{{ url_for('redirect_to',link='https://s3.jp-tok.cloud-object-
storage.appdomain.cloud/sanrasheedcss/assign3.css')}}" type="text/css">
</head>
<body >
<h1>DISPLAYING IMAGES FROM CLOUD OBJECT STORAGE</h1>
{% for image in arr: %}

{% endfor %}
</body>
</html>
```



Thus the 5 images stored in cloud object storage has been displayed in the website.

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



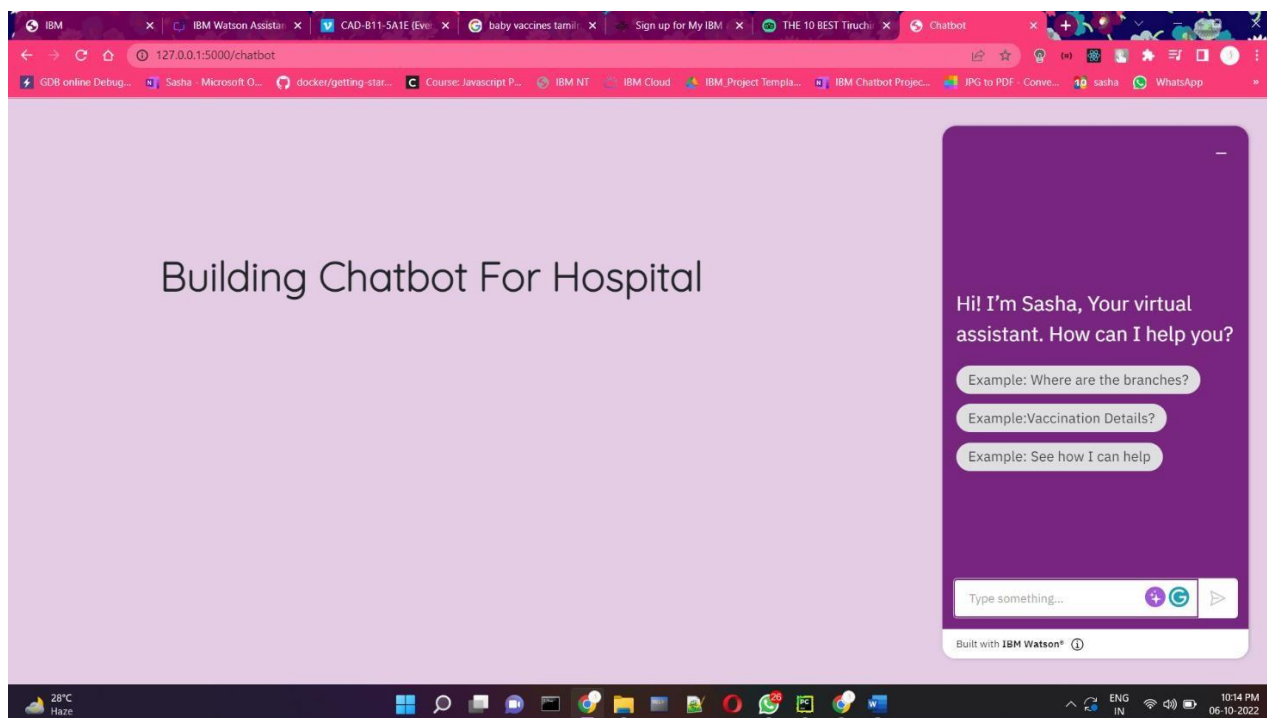
A CSS page is uploaded in object storage.

```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="UTF-8">
5   <title>ASSIGNMENT</title>
6   <link rel="stylesheet" href="{url_for('redirect_to', link='https://s3.jp-tok.cloud-object-storage.appdomain.cloud/sanrasheedcss/assign3.css')}" type="text/css">
7 </head>
8 <body>
9   <h1>DISPLAYING IMAGES FROM CLOUD OBJECT STORAGE</h1>
10   {% for image in arr: %}
11   
12   {% endfor %}
13 </body>
14 </html>
```

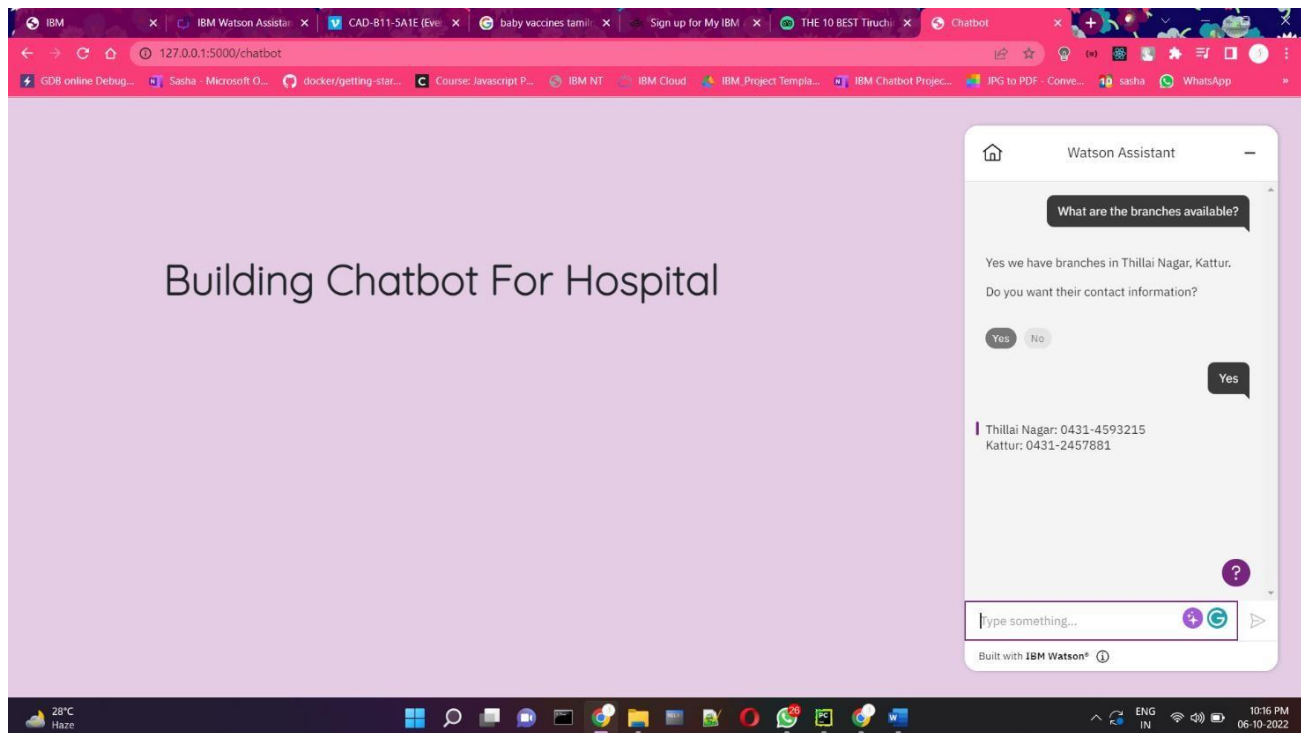
The same CSS file is used inside the HTML Code.

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.

A chatbot using IBM Watson assistant for hospital has been designed.



Now the user comes with query to know the branches for that hospital in the city.

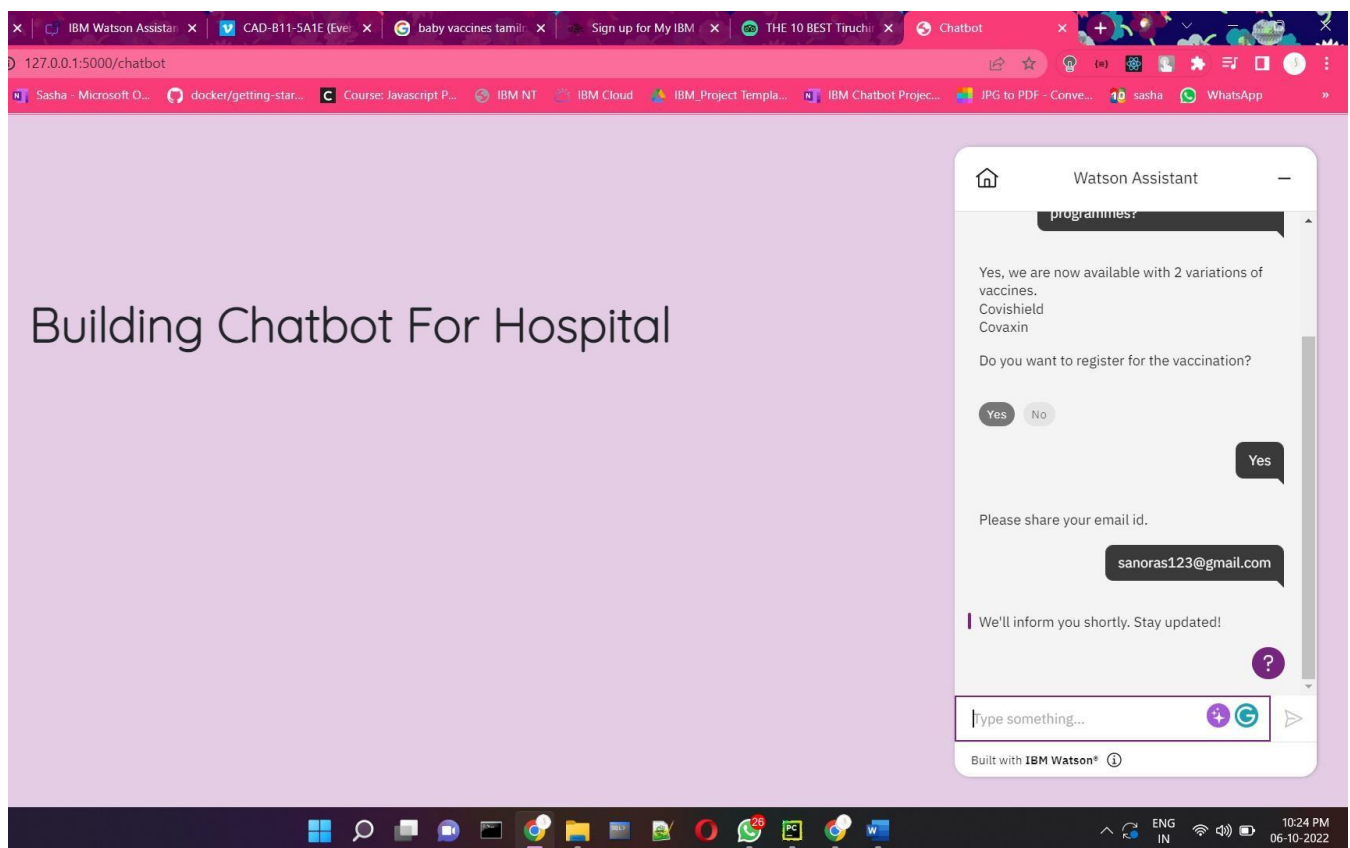
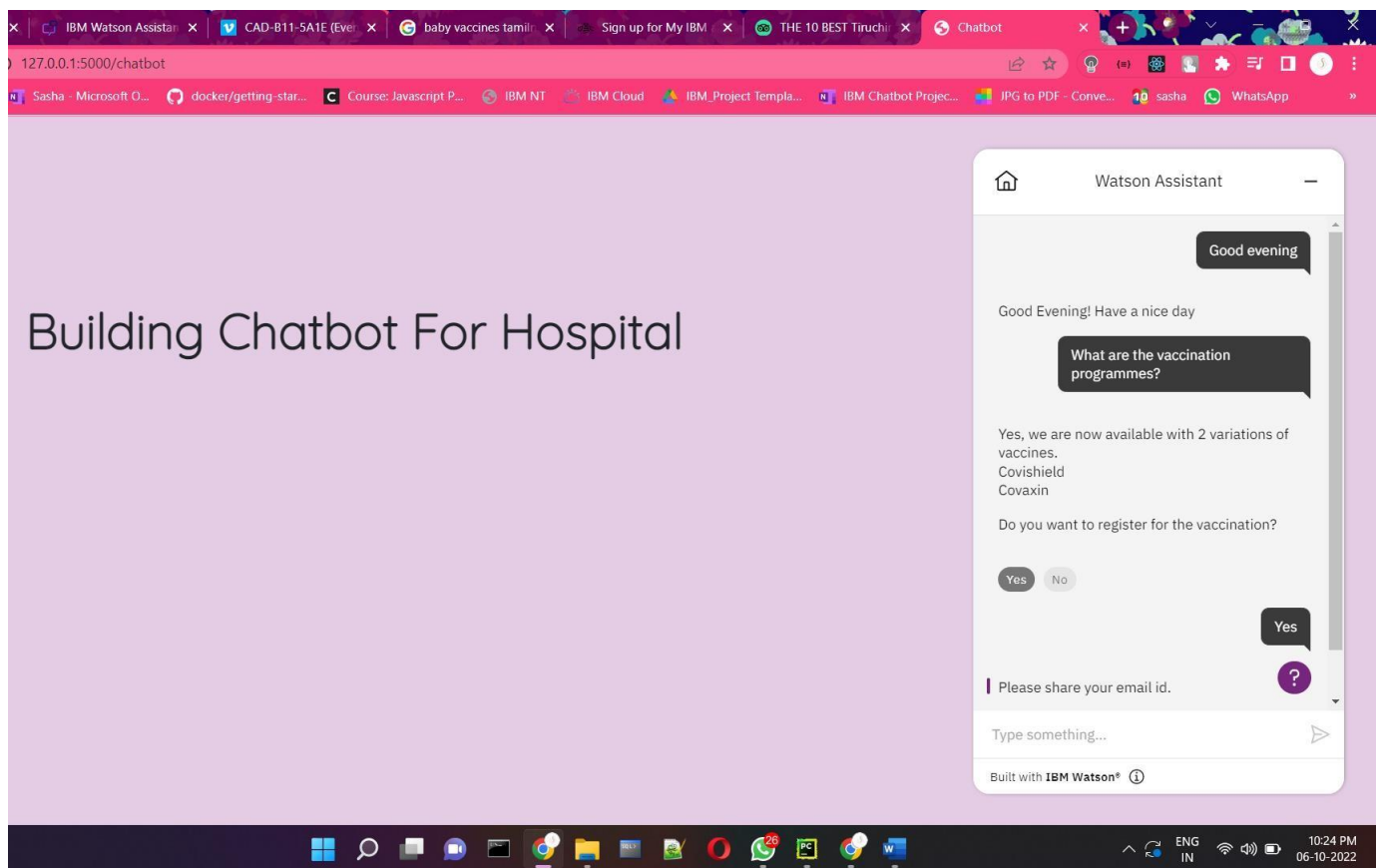


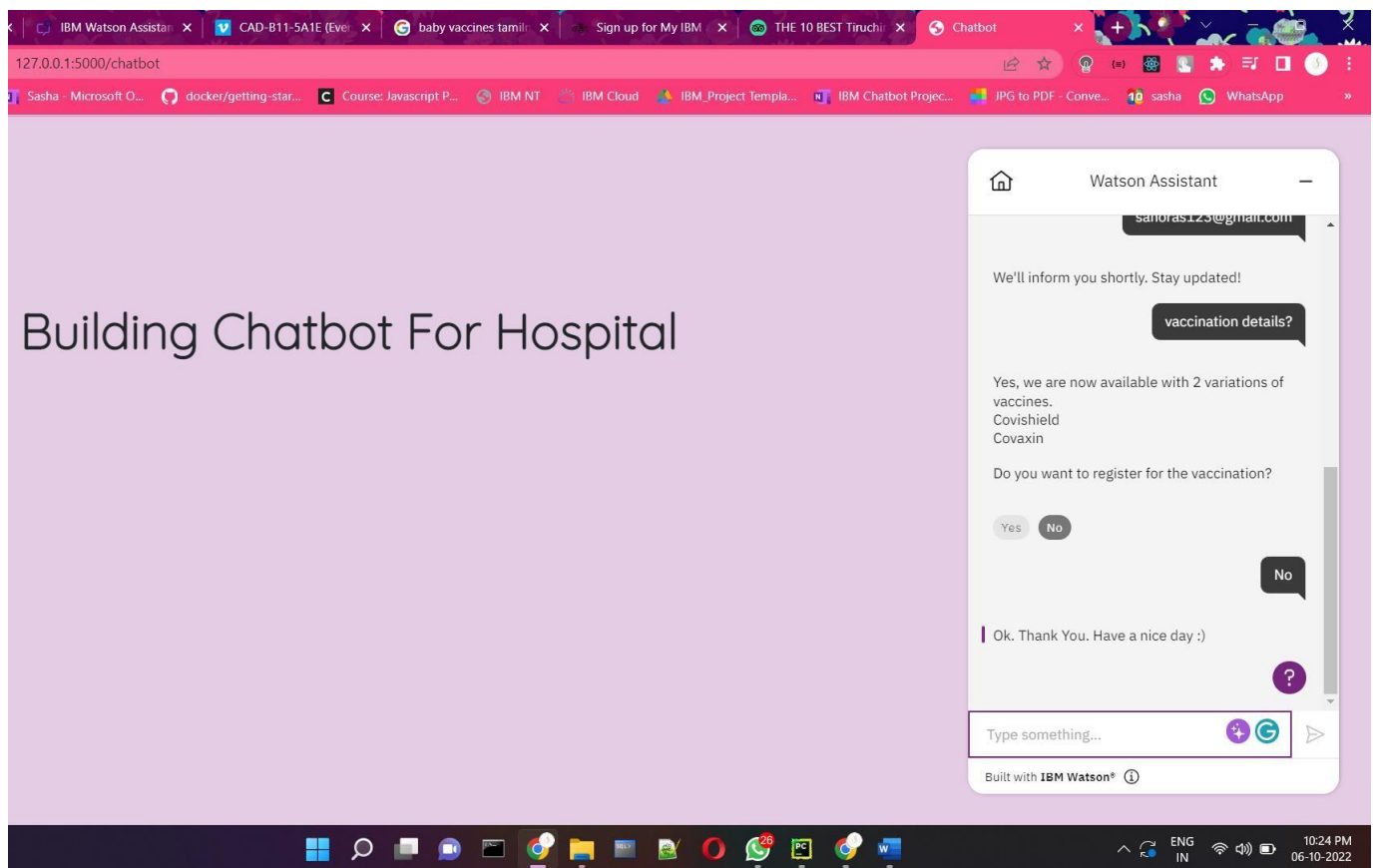
WEB URL OF ASSISTANT :

```
<script>
window.watsonAssistantChatOptions = {
  integrationID: "cba0c163-9f9a-42ce-b6e9-979ac6318cc0", // The ID of this integration.
  region: "au-syd", // The region your integration is hosted in.
  serviceInstanceID: "245858a6-01a2-41fc-8707-d603be17b8f0", // 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>
```

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

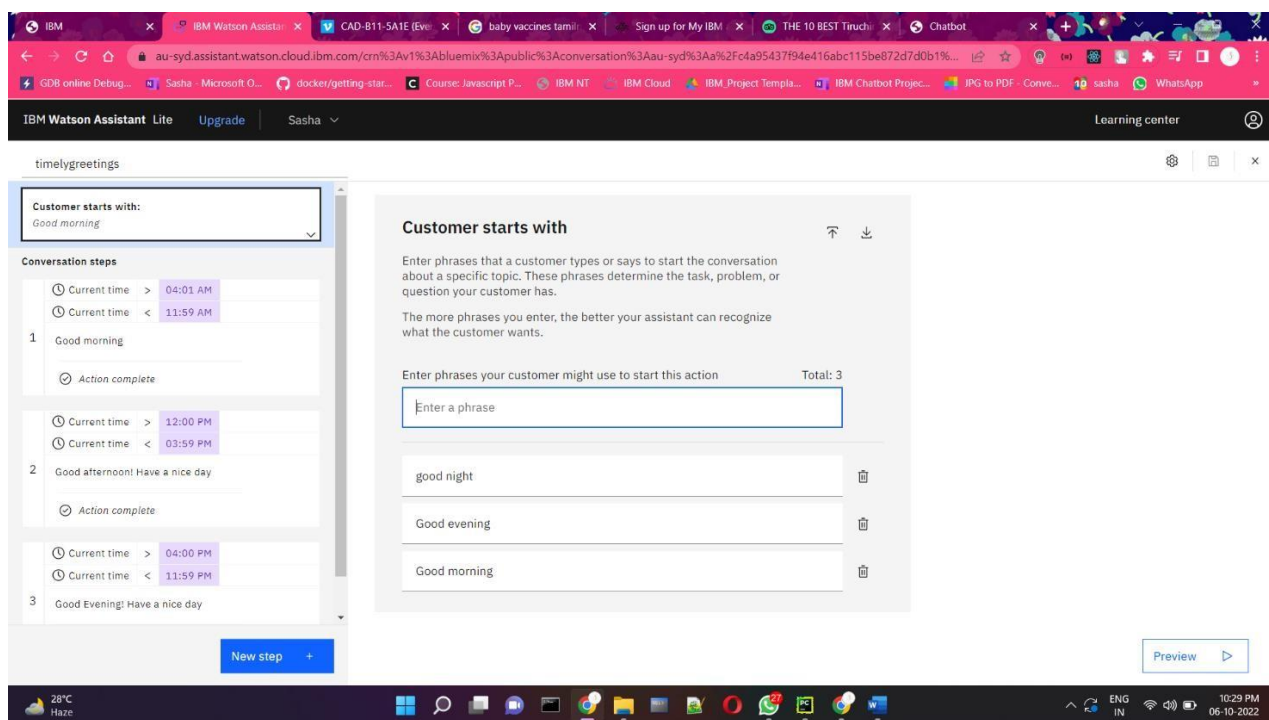
The user is coming up with a query of vaccination details.





A Watson assistant with 3 conditions is given.

GREETINGS ACTION:



BRANCHES QUERY ACTION:

The screenshot shows the IBM Watson Assistant interface for the 'branches' action. On the left, the 'Conversation steps' panel lists four steps: 1. 'Yes we have branches in Thirai Nagar, Kattur.' with a 'Continue to next step' button; 2. 'Do you want their contact information?' with a 'Confirmation' button; 3. 'Thirai Nagar: 0431-1593215 Kattur: 0431-2437881' with an 'Action complete' status; and 4. 'Thank You :)' with an 'Action complete' status. A 'New step' button is at the bottom. The main area, 'Customer starts with', provides instructions on how to start the conversation and lists five example phrases: 'Enter a phrase', 'does your hospital has any other branches in the city?', 'is there any branch near me', 'Branches please', and 'May i know your other branches in this city?'. A 'Preview' button is at the bottom right. The top bar shows the IBM Watson Assistant logo and the user 'Sasha'. The bottom status bar shows the temperature '28°C' and the time '10:37 PM 06-10-2022'.

VACCINATION QUERY ACTION:

The screenshot shows the IBM Watson Assistant interface for the 'vaccination' action. On the left, the 'Conversation steps' panel lists four steps: 1. 'vaccines, Covishield, Covaxin' with a 'Continue to next step' button; 2. 'Do you want to register for the vaccination?' with a 'Confirmation' button; 3. 'Please share your email id.' with a 'Register' button; and 4. 'We'll inform you shortly. Stay updated!' with an 'Action complete' status. A 'New step' button is at the bottom. The main area, 'Customer starts with', provides instructions on how to start the conversation and lists two example phrases: 'Enter a phrase' and 'is vaccination available for covid'. A 'Preview' button is at the bottom right. The top bar shows the IBM Watson Assistant logo and the user 'Sasha'. The bottom status bar shows the temperature '28°C' and the time '10:35 PM 06-10-2022'.

HTML CODE WITH ASSISTANT EMBEDDED:

```
<!DOCTYPE html>
<html><head>
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Chatbot </title>
  <link rel="stylesheet"
href="https://cdn.jsdelivr.net/npm/bootstrap@4.6.2/dist/css/bootstrap.min.css" integrity="sha384-
xOoIHfLEh07PJGoPkLv1IbcEPTNtaed2xpHsD9ESMhqIYd0nLMwNLD69Npy4HI+N"
crossorigin="anonymous">
  <link rel="stylesheet" href="{ {url_for('static',filename='styles/login.css')} }" type="text/css">
<link rel="preconnect" href="https://fonts.googleapis.com">
<link rel="preconnect" href="https://fonts.gstatic.com" crossorigin>
  <script defer src="https://use.fontawesome.com/releases/v5.13.1/js/all.js"></script>
<link
href="https://fonts.googleapis.com/css2?family=Alex+Brush&family=Quicksand:wght@300&displ
ay=swap" rel="stylesheet">
  </head>
<body style="background:rgba(128,0,128,0.2)">
<h1 style="font-weight: bolder;
margin: 12%;
font-size: xxx-large;">Building Chatbot For Hospital</h1>
<script>
window.watsonAssistantChatOptions = {
  integrationID: "cba0c163-9f9a-42ce-b6e9-979ac6318cc0", // The ID of this integration.
  region: "au-syd", // The region your integration is hosted in.
  serviceInstanceID: "245858a6-01a2-41fc-8707-d603be17b8f0", // 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>
```