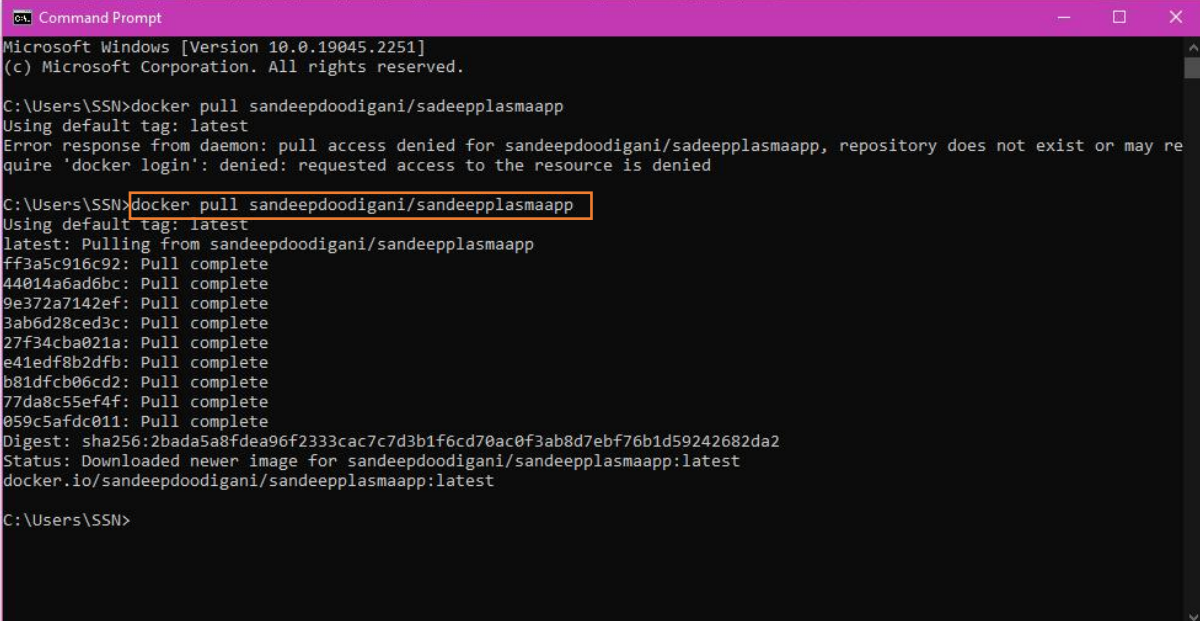


Name	Aravindan S
Roll No	SSNCE195001023
Date	14 November 2022
Team ID	PNT2022TMID53036
Project Name	Project - Personal Expense Tracker

Assignment - 4

1. Pull an Image from docker hub and run it in docker playground.



```

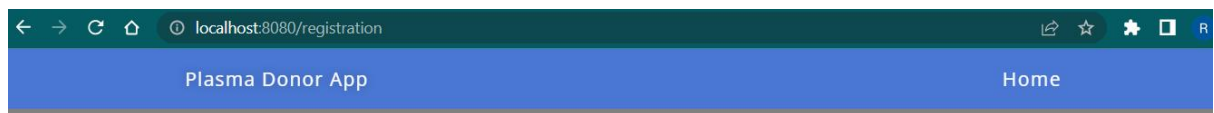
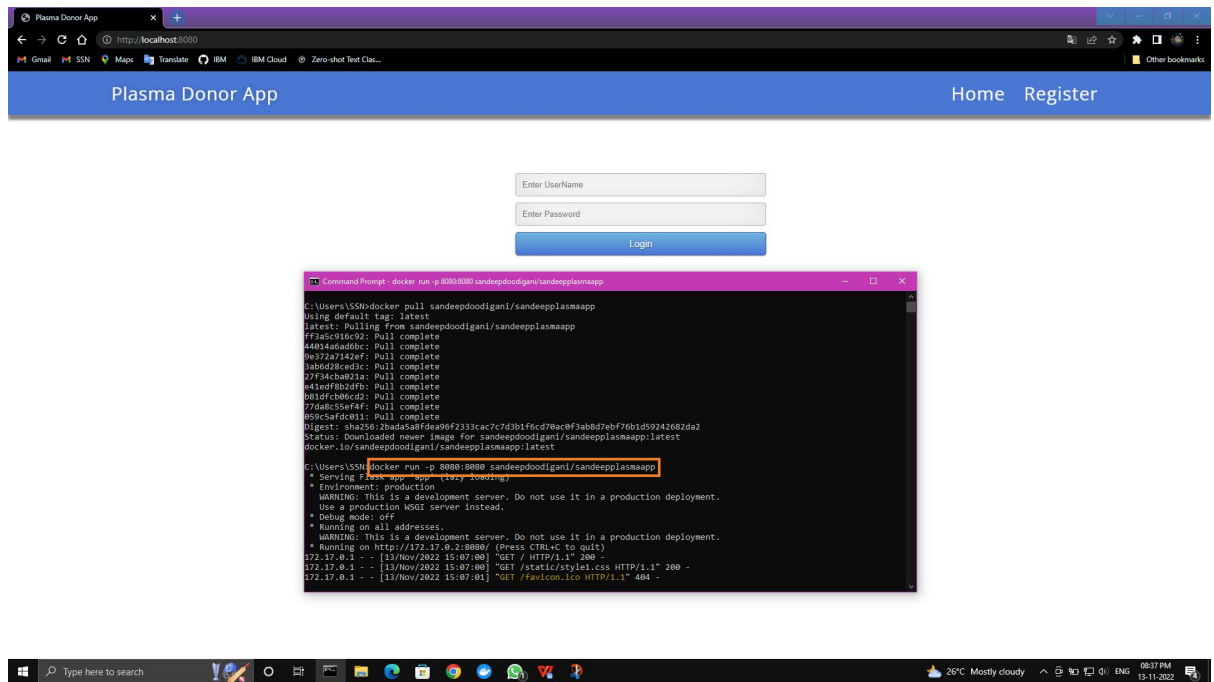
CA Command Prompt
Microsoft Windows [Version 10.0.19045.2251]
(c) Microsoft Corporation. All rights reserved.

C:\Users\SSN>docker pull sandeepdoodigani/sadeepplasmaapp
Using default tag: latest
Error response from daemon: pull access denied for sandeepdoodigani/sadeepplasmaapp, repository does not exist or may require 'docker login': denied: requested access to the resource is denied

C:\Users\SSN>docker pull sandeepdoodigani/sandeepplasmaapp
Using default tag: latest
latest: Pulling from sandeepdoodigani/sandeepplasmaapp
ff3a5c916c92: Pull complete
44014a6ad6bc: Pull complete
9e372a7142ef: Pull complete
3ab6d28ced3c: Pull complete
27f34cba021a: Pull complete
e41edf8b2dfb: Pull complete
b81dfcb06cd2: Pull complete
77da8c55ef4f: Pull complete
059c5afdc011: Pull complete
Digest: sha256:2bada5a8fdea96f2333cac7c7d3b1f6cd70ac0f3ab8d7ebf76b1d59242682da2
Status: Downloaded newer image for sandeepdoodigani/sandeepplasmaapp:latest
docker.io/sandeepdoodigani/sandeepplasmaapp:latest

C:\Users\SSN>

```



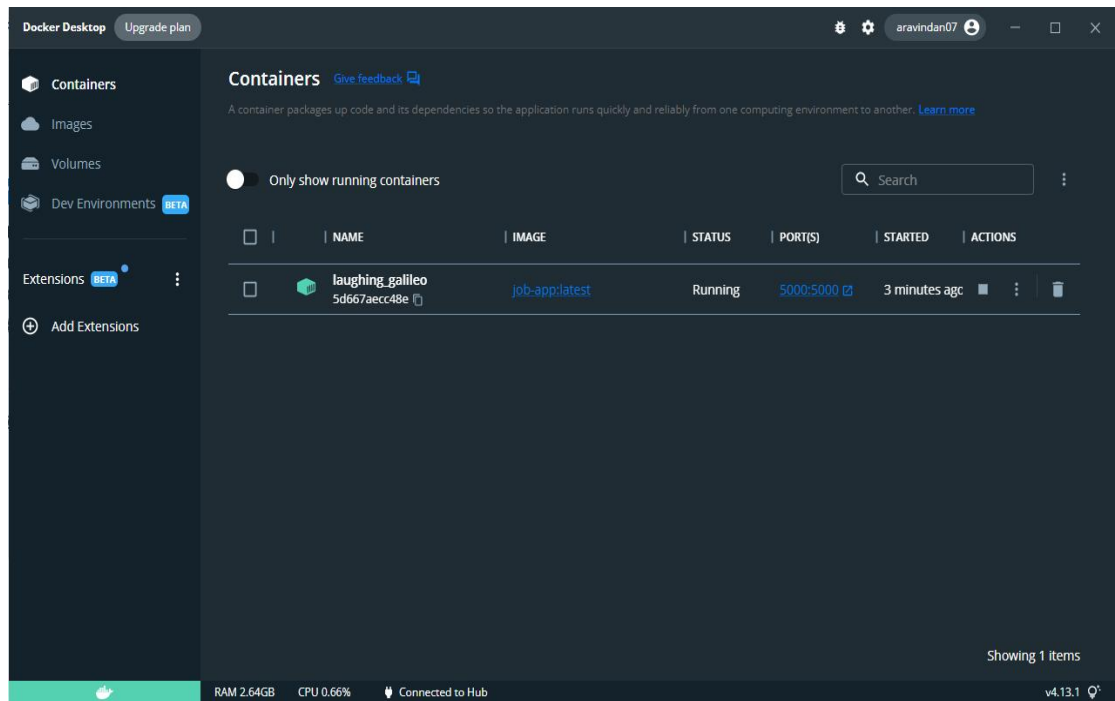
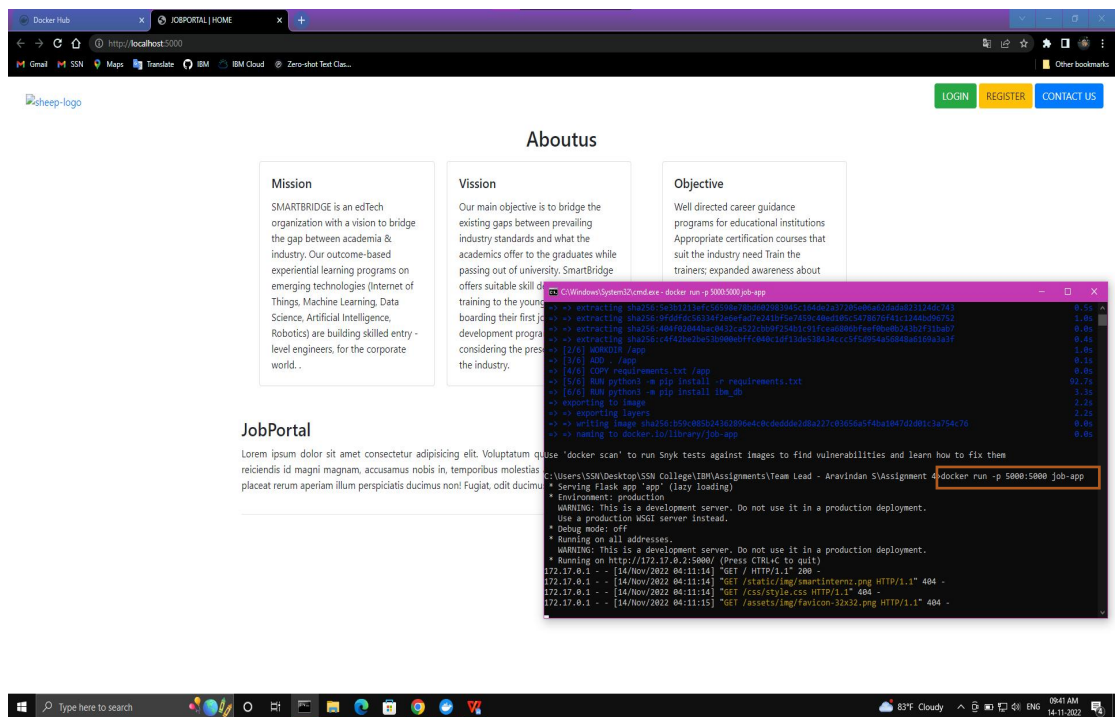
2. Create a docker file for the jobportal application and deploy it in Docker desktop application.

```
C:\Windows\System32\cmd.exe - docker build -t job-app .
C:\Users\SSN\Desktop\SSN College\IBM\Assignments\Team Lead - Aravindan S\Assignment 4>docker build -t job-app .
[+] Building 214.6s (5/11)
=> [internal] load build definition from Dockerfile 0.1s
=> => transferring dockerfile: 229B 0.0s
=> [internal] load .dockerignore 0.0s
=> => transferring context: 2B 0.0s
=> [internal] load metadata for docker.io/library/python:3.6 4.7s
=> [auth] library/python:pull token for registry-1.docker.io 0.0s
=> [internal] load build context 0.0s
=> => transferring context: 32.06kB 0.0s
=> [1/6] FROM docker.io/library/python:3.6@sha256:f8652afaf88c25f0d22354d547d892591067aa4026a7fa9a6819df9f300af6 209.7s
=> => resolve docker.io/library/python:3.6@sha256:f8652afaf88c25f0d22354d547d892591067aa4026a7fa9a6819df9f300af6 0.0s
=> => sha256:f8652afaf88c25f0d22354d547d892591067aa4026a7fa9a6819df9f300af6fc 1.86kB / 1.86kB 0.0s
=> => sha256:54260638d07c5e3ad24c6e21fc889abbcb486a27634c0892086ff71f3f44b104 9.27kB / 9.27kB 0.0s
=> => sha256:0e29546d541cddb309281d21a73a9d1db78665c1b95b74f32b009e0b77a6e1e3 54.92MB / 54.92MB 150.7s
=> => sha256:cb5b7ae361722f070eca53f35823ed21baa85d61d5d95cd5a95ab53d740cdd56 10.87MB / 10.87MB 17.7s
=> => sha256:d097a4907a8ec079df5ac31872359c2de510f82214c0448e926393b376d3b60d 2.22kB / 2.22kB 0.0s
=> => sha256:9b829c73b52b92b97d5c07a54fb0f3e921995a296c714b53a32ae67d19231fcd 5.15MB / 5.15MB 10.7s
=> => sha256:6494e4811622b31c027ccac322ca463937fd805f569a93e6f15c01aade718793 54.57MB / 54.57MB 152.9s
=> => sha256:6f9f74896dfa93fe0172f594faba85e0b4e8a0481a0fefdd9112efc7e4d3c78f7 79.69MB / 196.51MB 209.6s
=> => sha256:5e3b1213efc56598e78bd602983945c164de2a37205e06a62dada823124dc743 6.29MB / 6.29MB 188.4s
=> => extracting sha256:0e29546d541cddb309281d21a73a9d1db78665c1b95b74f32b009e0b77a6e1e3 4.9s
=> => sha256:9fddfdc56334f2e6efad7e241bf5e7459c40ed105c5478676f41c1244bd96752 14.21MB / 14.21MB 190.9s
=> => extracting sha256:9b829c73b52b92b97d5c07a54fb0f3e921995a296c714b53a32ae67d19231fcd 0.5s
=> => extracting sha256:cb5b7ae361722f070eca53f35823ed21baa85d61d5d95cd5a95ab53d740cdd56 0.6s
=> => extracting sha256:6494e4811622b31c027ccac322ca463937fd805f569a93e6f15c01aade718793 4.6s
=> => sha256:404f02044bac0432ca522cbb9f254b1c91fcea6806bfeef0be0b243b2f31bab7 235B / 235B 189.8s
=> => sha256:c4f42be2be53b900ebffc040c1df13de538434ccc5f5d954a56848a6169a3a3f 2.21MB / 2.21MB 195.4s
```

```
C:\Windows\System32\cmd.exe
=> => sha256:9b829c73b52b92b97d5c07a54fb0f3e921995a296c714b53a32ae67d19231fcd 5.15MB / 5.15MB 10.7s
=> => sha256:6494e4811622b31c027ccac322ca463937fd805f569a93e6f15c01aade718793 54.57MB / 54.57MB 152.9s
=> => sha256:6f9f74896dfa93fe0172f594faba85e0b4e8a0481a0fefdd9112efc7e4d3c78f7 79.69MB / 196.51MB 329.4s
=> => sha256:5e3b1213efc56598e78bd602983945c164de2a37205e06a62dada823124dc743 6.29MB / 6.29MB 188.4s
=> => extracting sha256:0e29546d541cddb309281d21a73a9d1db78665c1b95b74f32b009e0b77a6e1e3 4.9s
=> => sha256:9fddfdc56334f2e6efad7e241bf5e7459c40ed105c5478676f41c1244bd96752 14.21MB / 14.21MB 190.9s
=> => extracting sha256:9b829c73b52b92b97d5c07a54fb0f3e921995a296c714b53a32ae67d19231fcd 0.5s
=> => extracting sha256:cb5b7ae361722f070eca53f35823ed21baa85d61d5d95cd5a95ab53d740cdd56 0.6s
=> => extracting sha256:6494e4811622b31c027ccac322ca463937fd805f569a93e6f15c01aade718793 4.6s
=> => sha256:404f02044bac0432ca522cbb9f254b1c91fcea6806bfeef0be0b243b2f31bab7 235B / 235B 189.8s
=> => sha256:c4f42be2be53b900ebffc040c1df13de538434ccc5f5d954a56848a6169a3a3f 2.21MB / 2.21MB 195.4s
=> => extracting sha256:6f9f74896dfa93fe0172f594faba85e0b4e8a0481a0fefdd9112efc7e4d3c78f7 10.1s
=> => extracting sha256:5e3b1213efc56598e78bd602983945c164de2a37205e06a62dada823124dc743 0.5s
=> => extracting sha256:9fddfdc56334f2e6efad7e241bf5e7459c40ed105c5478676f41c1244bd96752 1.0s
=> => extracting sha256:404f02044bac0432ca522cbb9f254b1c91fcea6806bfeef0be0b243b2f31bab7 0.0s
=> => extracting sha256:c4f42be2be53b900ebffc040c1df13de538434ccc5f5d954a56848a6169a3a3f 0.4s
=> [2/6] WORKDIR /app 1.0s
=> [3/6] ADD . /app 0.1s
=> [4/6] COPY requirements.txt /app 0.0s
=> [5/6] RUN python3 -m pip install -r requirements.txt 92.7s
=> [6/6] RUN python3 -m pip install ibm_db 3.3s
=> exporting to image 2.2s
=> => exporting layers 2.2s
=> => writing image sha256:b59c085b24362896e4c0cdeddded2d8a227c03656a5f4ba1047d2d01c3a754c76 0.0s
=> => naming to docker.io/library/job-app 0.0s

Use 'docker scan' to run Snyk tests against images to find vulnerabilities and learn how to fix them

C:\Users\SSN\Desktop\SSN College\IBM\Assignments\Team Lead - Aravindan S\Assignment 4>
```



3. Create a IBM container registry and deploy helloworld app or jobportalapp.

```
C:\Windows\System32\cmd.exe

C:\Users\SSN\Desktop\SSN College\IBM\Assignments\Team Lead - Aravindan S\Assignment 4>ibmcloud login
API endpoint: https://cloud.ibm.com
Region: eu-gb

Email> aravindan19023@cse.ssn.edu.in

Password>
Authenticating...
OK

Targeted account Aravindan S's Account (ea1e0298ca5442cd869ea3f748e6cf43)

API endpoint: https://cloud.ibm.com
Region: eu-gb
User: aravindan19023@cse.ssn.edu.in
Account: Aravindan S's Account (ea1e0298ca5442cd869ea3f748e6cf43)
Resource group: No resource group targeted, use 'ibmcloud target -g RESOURCE_GROUP'
CF API endpoint:
Org:
Space:

C:\Users\SSN\Desktop\SSN College\IBM\Assignments\Team Lead - Aravindan S\Assignment 4>ibmcloud cr region-set global
The region is set to 'global', the registry is 'icr.io'.

OK

C:\Users\SSN\Desktop\SSN College\IBM\Assignments\Team Lead - Aravindan S\Assignment 4>
```

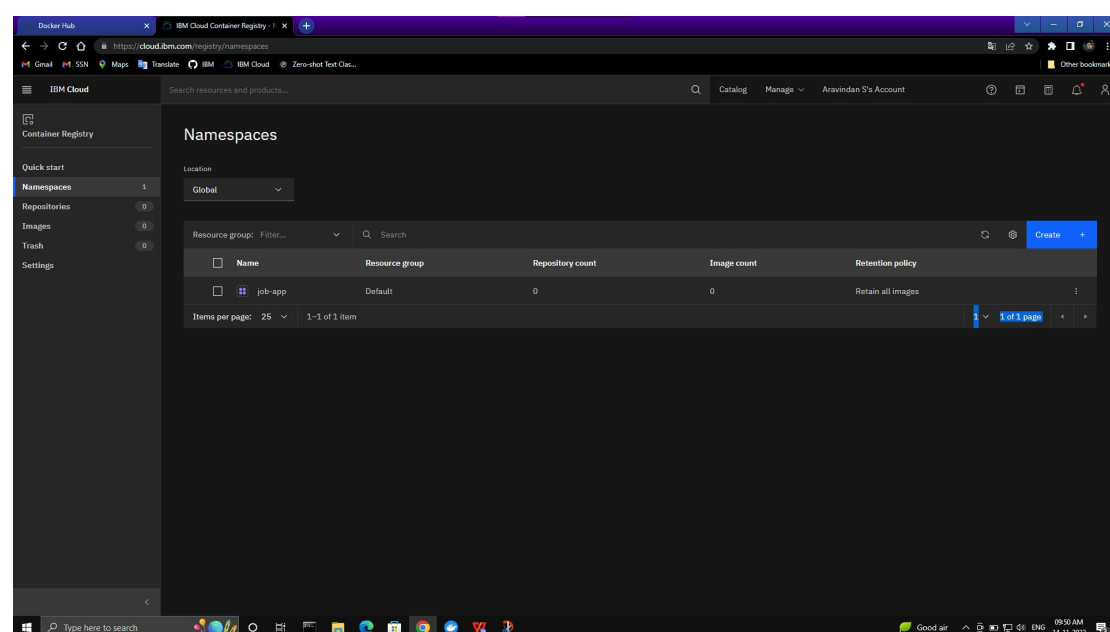
```
C:\Users\SSN\Desktop\SSN College\IBM\Assignments\Team Lead - Aravindan S\Assignment 4>ibmcloud cr namespace-add job-app
No resource group is targeted. Therefore, the default resource group for the account (Default) is targeted.

Adding namespace 'job-app' in resource group 'Default' for account Aravindan S's Account in registry icr.io...

Successfully added namespace 'job-app'

OK

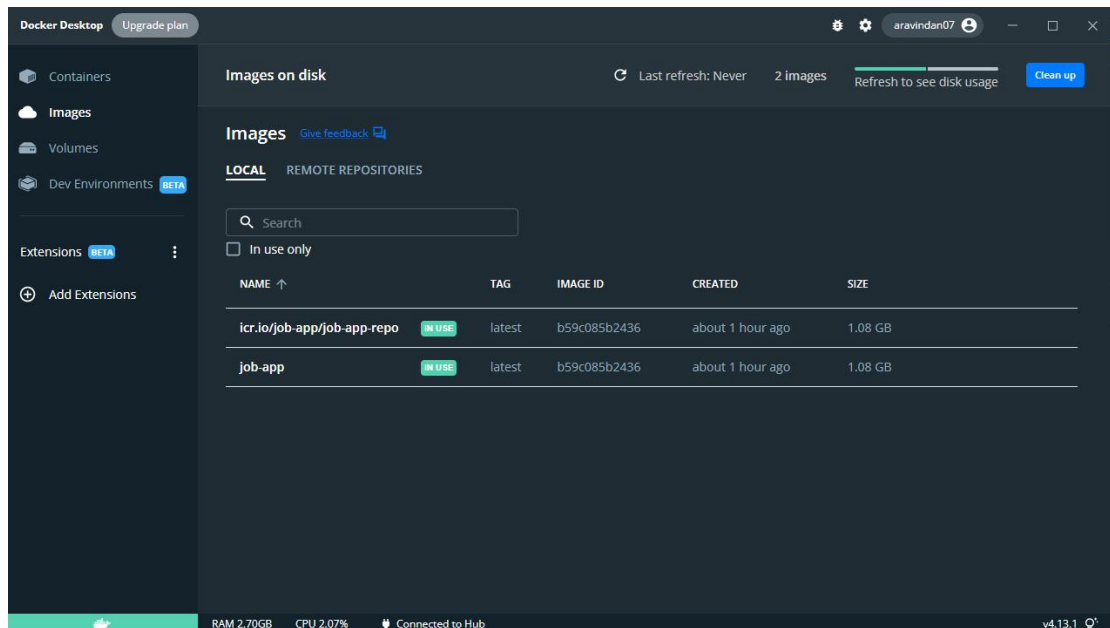
C:\Users\SSN\Desktop\SSN College\IBM\Assignments\Team Lead - Aravindan S\Assignment 4>
```




```
C:\Windows\System32\cmd.exe

C:\Users\SSN\Desktop\SSN College\IBM\Assignments\Team Lead - Aravindan S\Assignment 4>docker tag job-app icr.io/job-app/job-app-repo

C:\Users\SSN\Desktop\SSN College\IBM\Assignments\Team Lead - Aravindan S\Assignment 4>
```

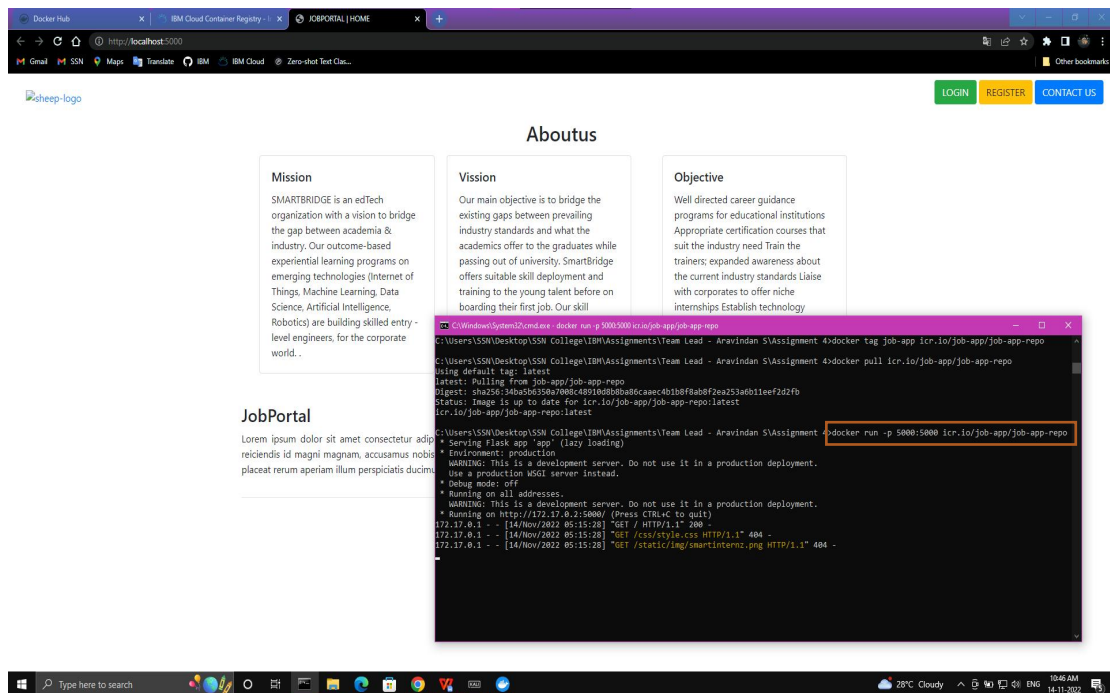
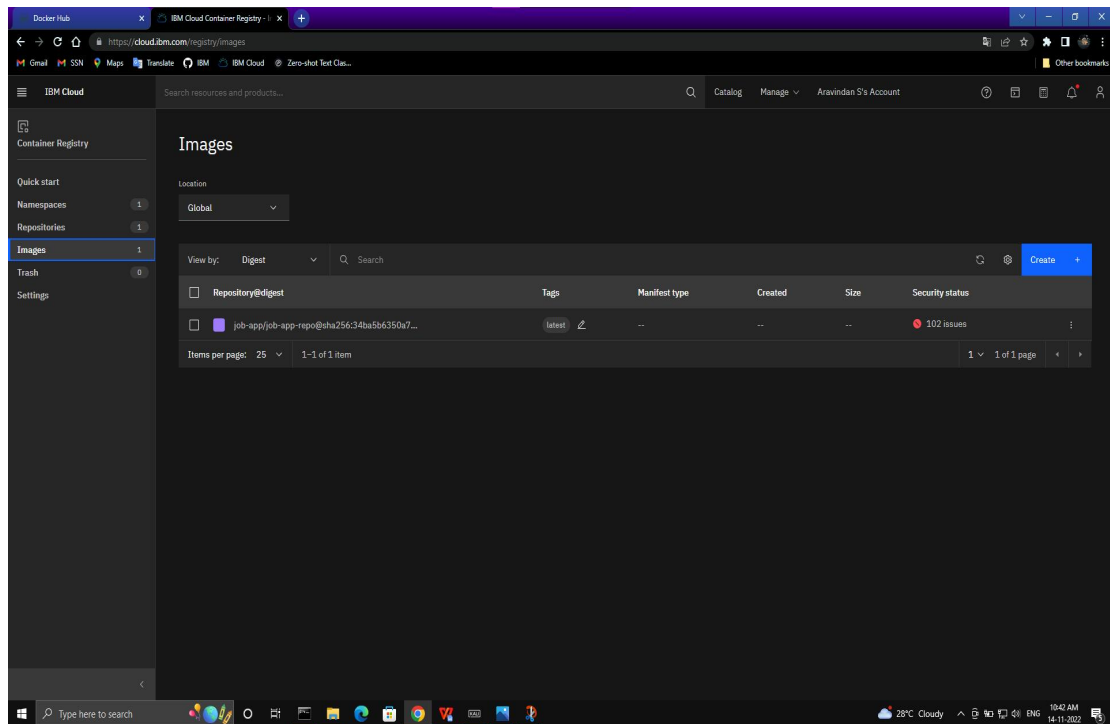


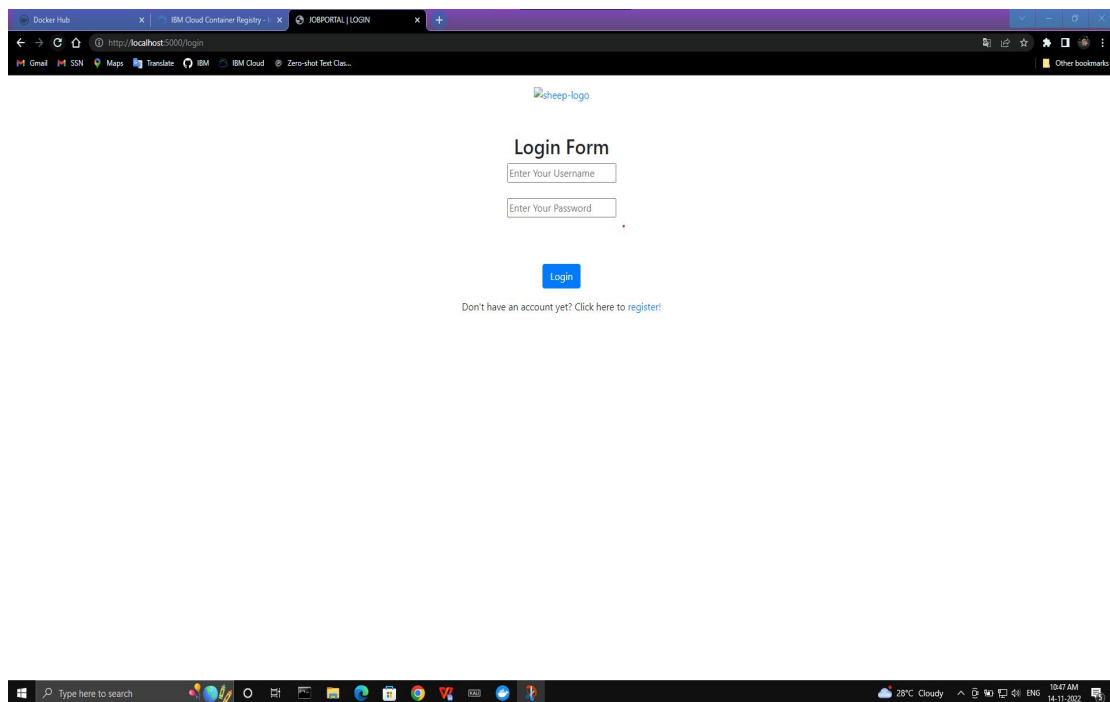
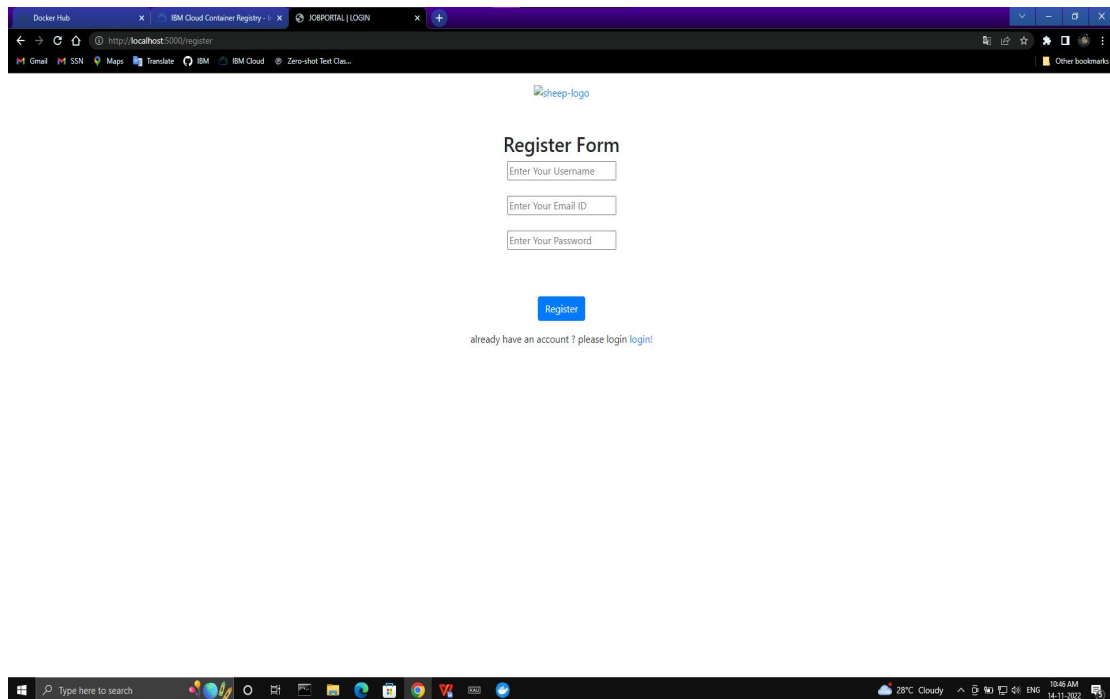
```
C:\Windows\System32\cmd.exe

C:\Users\SSN\Desktop\SSN College\IBM\Assignments\Team Lead - Aravindan S\Assignment 4>ibmcloud cr login
Logging 'docker' in to 'icr.io'...
Logged in to 'icr.io'.

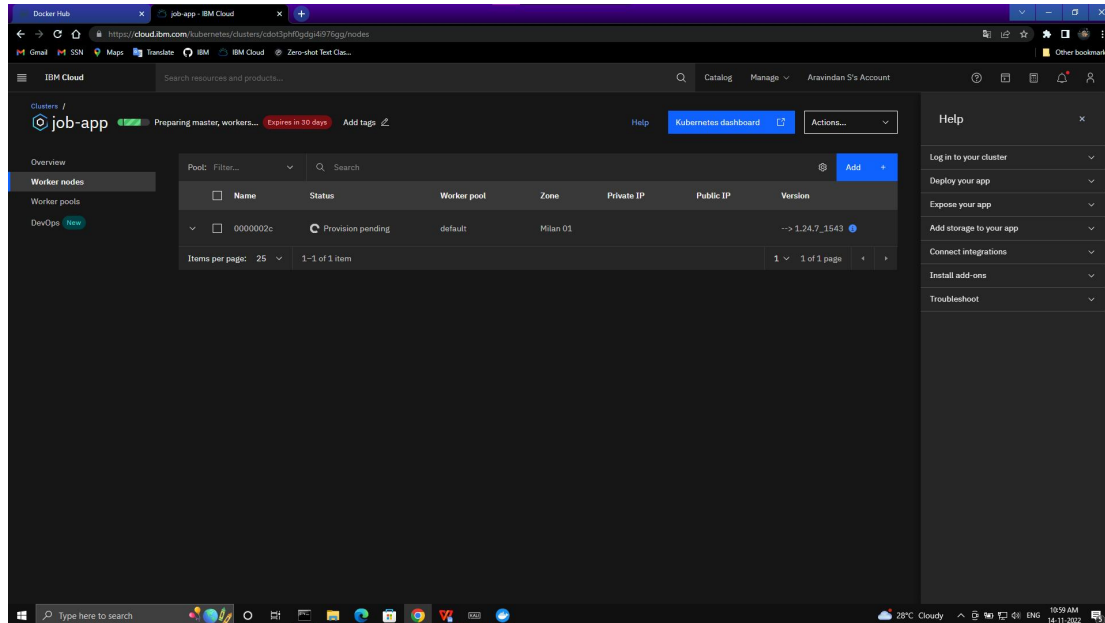
OK

C:\Users\SSN\Desktop\SSN College\IBM\Assignments\Team Lead - Aravindan S\Assignment 4>docker push icr.io/job-app/job-app-repo
Using default tag: latest
The push refers to repository [icr.io/job-app/job-app-repo]
0cfdc9ce228e: Pushed
630a9659632e: Pushed
5adc35be8e85: Pushed
8a06bc799f2c: Pushed
802dbba337f6: Pushed
aa4c808c19f6: Pushed
8ba9f690e8ba: Pushed
3e607d59ef9f: Pushed
1e18e7e1fcc2: Pushed
c3a0d593ed24: Pushed
26a504e63be4: Pushed
8bf42db0de72: Pushed
31892cc314cb: Pushed
11936051f93b: Pushed
latest: digest: sha256:34ba5b6350a7008c48910d8b8ba86caaec4b1b8f8ab8f2ea253a6b11eef2d2fb size: 3259
```





4. Create a Kubernetes cluster in IBM cloud and deploy helloworld image or jobportal image and expose the same app to run in nodeport.



```
C:\Windows\System32\cmd.exe

C:\Users\SSN\Desktop\SSN College\IBM\Assignments\Team Lead - Aravindan S\Assignment 4>ibmcloud cr region-set global
The region is set to 'global', the registry is 'icr.io'.

OK

C:\Users\SSN\Desktop\SSN College\IBM\Assignments\Team Lead - Aravindan S\Assignment 4>ibmcloud plugin install container-service
Looking up 'container-service' from repository 'IBM Cloud'...
Plug-in 'container-service[kubernetes-service/ks] 1.0.459' found in repository 'IBM Cloud'
Attempting to download the binary file...
 26.86 MiB / 26.86 MiB [=====] 100.00% 2s
28168192 bytes downloaded
Installing binary...
OK
Plug-in 'container-service 1.0.459' was successfully installed into C:\Users\SSN\bluemix\plugins\container-service. Use 'ibmcloud plugin
show container-service' to show its details.

C:\Users\SSN\Desktop\SSN College\IBM\Assignments\Team Lead - Aravindan S\Assignment 4>ibmcloud plugin show container-service

Plugin Name          container-service[kubernetes-service/ks]
Plugin Version        1.0.459
Plugin SDK Version    0.3.0
Minimal IBM Cloud CLI version required 0.18.2
Private endpoints supported false

Commands:
sat          Manage IBM Cloud Satellite clusters.
sat keys     List all Satellite Config keys in your IBM Cloud account.
sat messages View the current user messages.
sat subscriptions List all Satellite subscriptions in your IBM Cloud account.
```

```
C:\Windows\System32\cmd.exe

C:\Users\SSN\Desktop\SSN College\IBM\Assignments\Team Lead - Aravindan S\Assignment 4>ibmcloud cr region-set global
The region is set to 'global', the registry is 'icr.io'.

OK

C:\Users\SSN\Desktop\SSN College\IBM\Assignments\Team Lead - Aravindan S\Assignment 4>ibmcloud ks cluster config --cluster cdot3phf0gdi4i976gg
OK
The configuration for cdot3phf0gdi4i976gg was downloaded successfully.

Added context for cdot3phf0gdi4i976gg to the current kubeconfig file.
You can now execute 'kubectl' commands against your cluster. For example, run 'kubectl get nodes'.
If you are accessing the cluster for the first time, 'kubectl' commands might fail for a few seconds while RBAC synchronizes.

C:\Users\SSN\Desktop\SSN College\IBM\Assignments\Team Lead - Aravindan S\Assignment 4>kubectl create deploy webserver --image=icr.io/job-app-deployment.apps/webserver created

C:\Users\SSN\Desktop\SSN College\IBM\Assignments\Team Lead - Aravindan S\Assignment 4>kubectl get nodes
NAME                STATUS    ROLES    AGE   VERSION
10.144.214.211      Ready    <none>    40m   v1.24.7+IKS

C:\Users\SSN\Desktop\SSN College\IBM\Assignments\Team Lead - Aravindan S\Assignment 4>
```

job-app - IBM Cloud

JOBPOTAL HOME

http://localhost:5000

Gmail SSN Maps Translate IBM IBM Cloud Zero-shot Text Clas...

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LOGIN REGISTER CONTACT US

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Aboutus

Mission

SMARTBRIDGE is an edTech organization with a vision to bridge the gap between academia & industry. Our outcome-based experiential learning programs on emerging technologies (Internet of Things, Machine Learning, Data Science, Artificial Intelligence, Robotics) are building skilled entry-level engineers, for the corporate world..

Vision

Our main objective is to bridge the existing gaps between prevailing industry standards and what the academics offer to the graduates while passing out of university. SmartBridge offers suitable skill deployment and training to the young talent before on boarding their first job. Our skill development programs are designed

Objective

Well directed career guidance programs for educational institutions
Appropriate certification courses that suit the industry need
Train the trainers; expanded awareness about the current industry standards
Liaise with corporates to offer niche internships
Establish technology development centers in colleges

JobPortal

Lorem ipsum dolor sit amet consectetur adipiscing elit. Maecenas malesuada
reciendis id magni magnam, accusamus nobis
placeat rerum aperiam illum perspiciatis ducimus

C:\Windows\System32\cmd.exe - kubectl port-forward deploy/webserver 5000:5000

C:\Users\SSN\Desktop\SSN College\IBM\Assignments\Team Lead - Aravindan S\Assignment 4>kubectl create deploy webserver --image=icr.io/job-app-deployment.apps/webserver created

C:\Users\SSN\Desktop\SSN College\IBM\Assignments\Team Lead - Aravindan S\Assignment 4>kubectl get nodes

NAME STATUS ROLES AGE VERSION

10.144.214.211 Ready <none> 40m v1.24.7+IKS

C:\Users\SSN\Desktop\SSN College\IBM\Assignments\Team Lead - Aravindan S\Assignment 4>kubectl get pods

webserver-8494f5b0db-h1svz 1/1 Running 0 2m58s

C:\Users\SSN\Desktop\SSN College\IBM\Assignments\Team Lead - Aravindan S\Assignment 4>kubectl port-forward deploy/webserver 5000:5000

Forwarding from 127.0.0.1:5000 -> 5000

Forwarding from [::]:5000 -> 5000

Handling connection for 5000

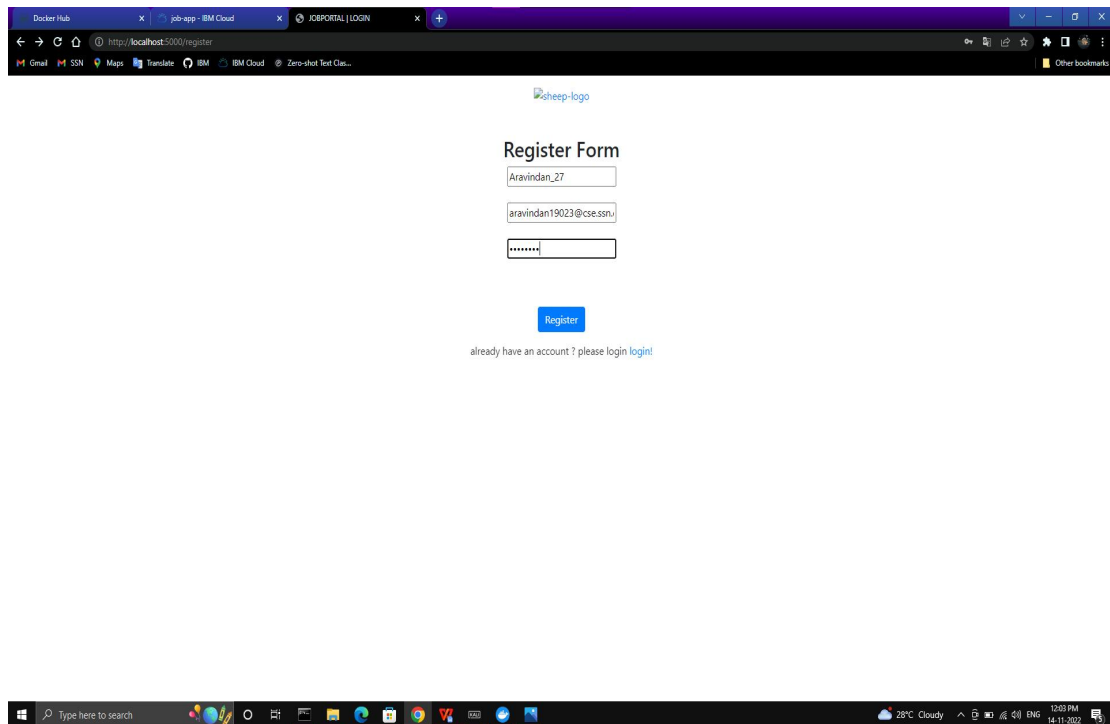
Handling connection for 5000

Handling connection for 5000

Type here to search

28°C Cloudy

12:01 PM 14-11-2022



Program :

Dockerfile:

```
FROM python:3.6
WORKDIR /app
ADD . /app
COPY requirements.txt /app
RUN python3 -m pip install -r requirements.txt
RUN python3 -m pip install ibm_db
EXPOSE 5000
CMD ["python", "app.py"]
```

Requirements.txt

```
Flask
ibm_db
sendgrid
```

App.py

```
from flask import Flask, render_template, request,
redirect, url_for, session
import ibm_db
import re
```

```
app = Flask(__name__)
```

```
app.secret_key = 'a'
```

```
conn =
ibm_db.connect("DATABASE=b1udb;HOSTNAME=b70af05b-
76e4-4bca-a1f5-
23dbb4c6a74e.c1ogj3sd0tgtu0lqde00.databases.appdom
ain.cloud;PORT=32716;SECURITY=SSL;SSLServerCertifi
cate=DigiCertGlobalRootCA.crt;UID=jzc43091;PWD=PI8
VtGRvZlSVT65A",'','')
```

```
@app.route('/')
```

```
def homer():
    return render_template('home.html')
```

```
@app.route('/login',methods =['GET', 'POST'])
def login():
    global userid
    msg = ''
```

```

    if request.method == 'POST' :
        username = request.form['username']
        password = request.form['password']
        sql = "SELECT * FROM users WHERE username
=? AND password=?"
        stmt = ibm_db.prepare(conn, sql)
        ibm_db.bind_param(stmt,1,username)
        ibm_db.bind_param(stmt,2,password)
        ibm_db.execute(stmt)
        account = ibm_db.fetch_assoc(stmt)
        print (account)
        if account:
            session['loggedin'] = True
            session['id'] = account['USERNAME']
            userid= account['USERNAME']
            session['username'] =
account['USERNAME']
            msg = 'Logged in successfully !'

            msg = 'Logged in successfully !'
            return
render_template('dashboard.html', msg = msg)
        else:
            msg = 'Incorrect username /
password !'
        return render_template('login.html', msg = msg)

```

```

@app.route('/register', methods =['GET', 'POST'])
def registet():
    msg = ''

```

```

if request.method == 'POST' :
    username = request.form['username']
    email = request.form['email']
    password = request.form['password']
    sql = "SELECT * FROM users WHERE username
=?"

    stmt = ibm_db.prepare(conn, sql)
    ibm_db.bind_param(stmt,1,username)
    ibm_db.execute(stmt)
    account = ibm_db.fetch_assoc(stmt)
    print(account)
    if account:
        msg = 'Account already exists !'
    elif not re.match(r'^@[^@]+\.[^@]+',
email):
        msg = 'Invalid email address !'
    elif not re.match(r'[A-Za-z0-9]+',
username):
        msg = 'name must contain only
characters and numbers !'
    else:
        insert_sql = "INSERT INTO users
VALUES (?, ?, ?)"
        prep_stmt = ibm_db.prepare(conn,
insert_sql)
        ibm_db.bind_param(prepare_stmt, 1,
username)
        ibm_db.bind_param(prepare_stmt, 2, email)
        ibm_db.bind_param(prepare_stmt, 3,
password)
        ibm_db.execute(prepare_stmt)
        msg = 'You have successfully
registered !'
    elif request.method == 'POST':

```



```
        msg = 'Please fill out the form !'
        return render_template('register.html', msg =
msg)
```

```
@app.route('/dashboard')
def dash():

    return render_template('dashboard.html')
```

```
@app.route('/apply',methods =['GET', 'POST'])
def apply():
    msg = ''
    if request.method == 'POST' :
        username = request.form['username']
        email = request.form['email']

        qualification=
request.form['qualification']
        skills = request.form['skills']
        jobs = request.form['s']
        sql = "SELECT * FROM users WHERE username
=?"

        stmt = ibm_db.prepare(conn, sql)
        ibm_db.bind_param(stmt,1,username)
        ibm_db.execute(stmt)
        account = ibm_db.fetch_assoc(stmt)
        print(account)
        if account:
            msg = 'there is only 1 job position!
for you'
            return render_template('apply.html',
msg = msg)
```

```

        insert_sql = "INSERT INTO  job VALUES
(?, ?, ?, ?, ?)"
        prep_stmt = ibm_db.prepare(conn,
insert_sql)
        ibm_db.bind_param(prepare_stmt, 1, username)
        ibm_db.bind_param(prepare_stmt, 2, email)
        ibm_db.bind_param(prepare_stmt, 3,
qualification)
        ibm_db.bind_param(prepare_stmt, 4, skills)
        ibm_db.bind_param(prepare_stmt, 5, jobs)
        ibm_db.execute(prepare_stmt)
        msg = 'You have successfully applied for
job !'

        session['loggedin'] = True
        TEXT = "Hello,a new application for job
position" +jobs+"is requested"

    elif request.method == 'POST':
        msg = 'Please fill out the form !'
        return render_template('apply.html', msg =
msg)

```

```

@app.route('/display')
def display():
    print(session["username"],session['id'])

    cursor = mysql.connection.cursor()
    cursor.execute('SELECT * FROM job WHERE userid
= % s', (session['id'],))
    account = cursor.fetchone()

```

```
print("accountdisplay",account)
```

```
    return render_template('display.html',account  
= account)
```

```
@app.route('/logout')
```

```
def logout():  
    session.pop('loggedin', None)  
    session.pop('id', None)  
    session.pop('username', None)  
    return render_template('home.html')
```

```
if __name__ == '__main__':  
    app.run(host='0.0.0.0')
```

Templates :

Home.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>JOBPORTAL | HOME</title>  
    <meta charset="UTF-8">  
        <!-- favicon -->  
        <!-- <link rel="shortcut icon"  
href="/assets/img/favicon.ico" type="image/x-  
icon"> -->
```

```
        <!-- <link rel="icon"
href="/assets/img/favicon.ico" type="image/x-
icon"> -->
        <link rel="icon" type="image/png"
sizes="16x16" href="/assets/img/favicon-
32x32.png">
        <!-- bootstrap css cdn -->
        <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap
/4.5.2/css/bootstrap.min.css" integrity="sha384-
JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+
VmmDGMN5t9UJ0Z" crossorigin="anonymous">
        <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.css">
        <!-- css stylesheet -->
        <link rel="stylesheet"
href="css/style.css">
        <!-- font styles cdn -->
        <link rel="preconnect"
href="https://fonts.gstatic.com">
        <link
href="https://fonts.googleapis.com/css2?family=Ale
greya&display=swap" rel="stylesheet">
        <link
href="https://fonts.googleapis.com/css2?family=Ale
greya:wght@600&display=swap" rel="stylesheet">
</head>
<body>
        <!-- bootstrap navbar -->
        <nav class="navbar sticky-top navbar-
expand-lg navbar-dark">
                <div class="container-fluid">
```

```

        <a class="main-logo-img mt-3"
href="#">
        <!-- <a class="navbar-brand"
href="index.html">JobPortal</a> -->
    </a>

    <div class="row donate-sponsor">
        <a type="button" class="btn btn-
success mr-1" id="donate" href="login">LOGIN</a>
        <a type="button" class="btn btn-
warning mr-1" id="sponsor"
href="register">REGISTER</a>
        <a type="button" class="btn btn-
primary mr-1" id="sponsor"
href="contact.html">CONTACT US</a>
    </div>
</div>
</nav>
<!-- navbar ends -->

<!-- what we focus on -->
<section class="our-focus">
    <div class="container">
        <h2 class="text-center mt-
3">Aboutus</h2>
        <div class="row ml-3 mt-3">
            <div class="col-lg-3 mr-5"
id="focus-first">
                <div class="card" style="width:
19rem;">
                    <!--  -->
                    <div class="card-body">

```

```

        <h5 class="card-
title">Mission</h5>
        <p class="card-
text">SMARTBRIDGE is an edTech organization with a
vision to bridge the gap between academia &
industry. Our outcome-based experiential learning
programs on emerging technologies (Internet of
Things, Machine Learning, Data Science, Artificial
Intelligence, Robotics) are building skilled entry
- level engineers, for the corporate world. .
        </p>
        </div>
    </div>
</div>
<div class="col-lg-3 mr-5"
id="focus-second">
    <div class="card" style="width:
20rem;">
        <!--  -->
        <div class="card-body">
            <h5 class="card-
title">Vission</h5>
            <p class="card-text">Our
main objective is to bridge the existing gaps
between prevailing industry standards and what the
academics offer to the graduates while passing out
of university. SmartBridge offers suitable skill
deployment and training to the young talent before
on boarding their first job.

```



```
<!-- focus section ends -->
```

```
<!-- footer starts -->
<!-- Site footer -->
<footer class="site-footer">
  <div class="container mt-5">
    <div class="row">
      <div class="col-sm-12 col-md-6">
        <h3>JobPortal</h3>
        <p class="text-justify">Lorem
ipsum dolor sit amet consectetur adipiscing elit.
        Voluptatum quis, reiciendis
id magni magnam, accusamus nobis in,
        temporibus molestias ab
placeat rerum aperiam illum perspiciatis
        ducimus non! Fugiat, odit
ducimus.</p>
      </div>
```

```
      <div class="col-xs-6 col-md-3">
        <h4>Get in Touch</h4>
        <ul class="footer-links">
          <li><a
href="mailto:test@gmail.com">jobportal@gmail.com</
a></li>
          <li><a href="">+91
8977787657</a></li>
        </ul>
      </div>
```

```
</div>
<hr>
```

```
        </div>
    </div>
</footer>
```

```
    </body>
</html>
```

Apply.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>JOBPORTAL | APPLY</title>
    <!-- favicon -->
    <!-- <link rel="shortcut icon"
href="/assets/img/favicon.ico" type="image/x-
icon"> -->
    <!-- <link rel="icon"
href="/assets/img/favicon.ico" type="image/x-
icon"> -->
    <link rel="icon" type="image/png"
sizes="16x16" href="/assets/img/favicon-
32x32.png">
    <!-- bootstrap css cdn -->
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap
/4.5.2/css/bootstrap.min.css" integrity="sha384-
JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+
VmmDGMN5t9UJ0Z" crossorigin="anonymous">
```

```

        <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.css">
        <!-- css stylesheet -->
        <link rel="stylesheet"
href="css/style.css">
        <!-- font styles cdn -->
        <link rel="preconnect"
href="https://fonts.gstatic.com">
        <link
href="https://fonts.googleapis.com/css2?family=Ale
greya&display=swap" rel="stylesheet">
        <link
href="https://fonts.googleapis.com/css2?family=Ale
greya:wght@600&display=swap" rel="stylesheet">
</head>
<body>
    <!-- bootstrap navbar -->
    <div class="logo mt-3 text-center">
        <a class="main-logo-img mt-5"
href="#">
            <!-- <a class="navbar-brand"
href="index.html">JobPortal</a> -->
            </a>
        </div>
        <!-- navbar ends -->
        <!-- Login form -->
        <div class="login text-center mt-5">
            <h2>Apply Now</h2>
            <div class="msg">{{ msg }}</div>
            <form action="/apply" method="post"
class="mt-3">

```

```

        <!-- <input type="text"
placeholder="fullname" id="fullname"> </br></br> -
->

        <input type="text" name="username"
placeholder="Enter Your Username" id="username"
required></br></br>
        <input type="email" name="email"
placeholder="Enter Your email" id="email"
required></br></br>
        <input type="text"
name="qualification" placeholder="Enter Your
Qualification" id="qualification"
required></br></br>
        <input type="text" name="skills"
placeholder="Enter Your skills" id="skills"
required></br></br>

        <select name ="s">
<option value ="PYTHON"> Python</option>
<option value ="ML"> ML</option>
<option value ="AI"> AI</option>
</select>

        </br></br>
        <button type="submit" id="button"
class="btn btn-primary"> Submit</button>
        </form>
    </div>

    <div class="note mt-3 text-center">
        <p> click here to go to dashboard <a
href="dashboard">Dashboard! </a> </p>

```

```
    </div>
</body>
</html>
```

Dashboard.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>JOBPORTAL | HOME</title>
  <meta charset="UTF-8">
    <!-- favicon -->
    <!-- <link rel="shortcut icon"
href="/assets/img/favicon.ico" type="image/x-
icon"> -->
    <!-- <link rel="icon"
href="/assets/img/favicon.ico" type="image/x-
icon"> -->
    <link rel="icon" type="image/png"
sizes="16x16" href="/assets/img/favicon-
32x32.png">
    <!-- bootstrap css cdn -->
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap
/4.5.2/css/bootstrap.min.css" integrity="sha384-
JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+
VmmDGMN5t9UJ0Z" crossorigin="anonymous">
```



```

        <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.css">
        <!-- css stylesheet -->
        <link rel="stylesheet"
href="css/style.css">
        <!-- font styles cdn -->
        <link rel="preconnect"
href="https://fonts.gstatic.com">
        <link
href="https://fonts.googleapis.com/css2?family=Ale
greya&display=swap" rel="stylesheet">
        <link
href="https://fonts.googleapis.com/css2?family=Ale
greya:wght@600&display=swap" rel="stylesheet">
</head>
<body>
        <!-- bootstrap navbar -->
        <nav class="navbar sticky-top navbar-
expand-lg navbar-light">
                <div class="container-fluid">
                        <a class="main-logo-img mt-3"
href="#">
                                <!-- <a class="navbar-brand"
href="index.html">JobPortal</a> -->
                                </a>
                                <button class="navbar-toggler"
type="button" data-bs-toggle="collapse" data-bs-
target="#navbarSupportedContent" aria-
controls="navbarSupportedContent" aria-
expanded="false" aria-label="Toggle navigation">
                                        <span class="navbar-toggler-
icon"></span>

```



```

        </p>
        <a href="apply" class="btn
btn-primary">Apply Now</a>
    </div>
</div>
</div>
<div class="col-lg-3 mr-5"
id="focus-second">
    <div class="card" style="width:
20rem;">
        <!--  -->
        <div class="card-body">
            <h5 class="card-title">Data
Scientist</h5>
            <p class="card-text">Skills
for datascientist</p>
            <a href="apply" class="btn
btn-primary">Apply Now</a>
        </div>
    </div>
</div>
<div class="col-lg-3 ml-5"
id="focus-third">
    <div class="card" style="width:
20rem;">
        <!--  -->
        <div class="card-body">
            <h5 class="card-title">HR
Manager</h5>

```

```

        <p class="card-text">skills
for hr manager</p>
        <a href="apply" class="btn
btn-primary">Apply Now</a>
    </div>
</div>
</div>
</div>
</div>
</section>
<!-- focus section ends -->

```

```

    <!-- footer starts -->
    <!-- Site footer -->
    </body>
</html>

```

Display.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>JOBPORTAL | HOME</title>
    <div class="msg">{{ msg }}</div>
    <meta charset="UTF-8">
    <!-- favicon -->
    <!-- <link rel="shortcut icon"
href="/assets/img/favicon.ico" type="image/x-
icon"> -->

```

```
        <!-- <link rel="icon"
href="/assets/img/favicon.ico" type="image/x-
icon"> -->
        <link rel="icon" type="image/png"
sizes="16x16" href="/assets/img/favicon-
32x32.png">
        <!-- bootstrap css cdn -->
        <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap
/4.5.2/css/bootstrap.min.css" integrity="sha384-
JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+
VmmDGMN5t9UJ0Z" crossorigin="anonymous">
        <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.css">
        <!-- css stylesheet -->
        <link rel="stylesheet"
href="css/style.css">
        <!-- font styles cdn -->
        <link rel="preconnect"
href="https://fonts.gstatic.com">
        <link
href="https://fonts.googleapis.com/css2?family=Ale
greya&display=swap" rel="stylesheet">
        <link
href="https://fonts.googleapis.com/css2?family=Ale
greya:wght@600&display=swap" rel="stylesheet">
</head>
<body>
        <!-- bootstrap navbar -->
        <nav class="navbar sticky-top navbar-
expand-lg navbar-light">
                <div class="container-fluid">
```

```

        <a class="main-logo-img mt-3"
href="#">
        <!-- <a class="navbar-brand"
href="index.html">JobPortal</a> -->
        </a>
        <button class="navbar-toggler"
type="button" data-bs-toggle="collapse" data-bs-
target="#navbarSupportedContent" aria-
controls="navbarSupportedContent" aria-
expanded="false" aria-label="Toggle navigation">
        <span class="navbar-toggler-
icon"></span>
        </button>

        <div class="row donate-sponsor">
            <a type="button" class="btn btn-
success mr-1" id="donate"
href="/logout">LOGOUT</a>
            <a type="button" class="btn btn-
warning mr-1" id="sponsor"
href="register">REGISTER</a>
            <a type="button" class="btn btn-
primary mr-1" id="sponsor" href="display">MY
JOBS</a>
        </div>
    </div>
</nav>
<!-- navbar ends -->

<!-- what we focus on -->
<section class="our-focus">
    <div class="container">

```



```
        <h2 class="text-center mt-3">Your
details</h2>
        <div class="border">
            <table
class="worddark"></br></br></br></br>
                <tr>
                    <td>userid:</td>
                    <td>{{ account[0] }}</td>
                </tr>
                <tr>
                    <td>username:</td>
                    <td>{{ account[1] }}</td>
                </tr>
                <tr>
                    <td>Email ID:</td>
                    <td>{{ account[2] }}</td>
                </tr>
                <tr>
                    <td>qualification:</td>
                    <td>{{ account[3] }}</td>
                </tr>
                <tr>
                    <td>skills:</td>
                    <td>{{ account[4] }}</td>
                </tr>
                <tr>
                    <td>JOB Applied:</td>
                    <td>{{ account[5] }}</td>
                </tr>
            </table>
        </div>
    </section>
```

```
</body>
</html>
```

Login.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>JOBPORTAL | LOGIN</title>
  <!-- favicon -->
  <!-- <link rel="shortcut icon"
href="/assets/img/favicon.ico" type="image/x-
icon"> -->
  <!-- <link rel="icon"
href="/assets/img/favicon.ico" type="image/x-
icon"> -->
  <link rel="icon" type="image/png"
sizes="16x16" href="/assets/img/favicon-
32x32.png">
  <!-- bootstrap css cdn -->
  <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap
/4.5.2/css/bootstrap.min.css" integrity="sha384-
JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+
VmmDGMN5t9UJ0Z" crossorigin="anonymous">
  <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.css">
  <!-- css stylesheet -->
```

```

        <link rel="stylesheet"
href="css/style.css">
        <!-- font styles cdn -->
        <link rel="preconnect"
href="https://fonts.gstatic.com">
        <link
href="https://fonts.googleapis.com/css2?family=Ale
greya&display=swap" rel="stylesheet">
        <link
href="https://fonts.googleapis.com/css2?family=Ale
greya:wght@600&display=swap" rel="stylesheet">
</head>
<body>
    <!-- bootstrap navbar -->
    <div class="logo mt-3 text-center">
        <a class="main-logo-img mt-5"
href="#">
        <!-- <a class="navbar-brand"
href="index.html">JobPortal</a> -->
        </a>
    </div>
    <!-- navbar ends -->
    <!-- Login form -->
    <div class="login text-center mt-5">
        <h2> Login Form </h2>
        <form action="/login" method="post">
            <div class="msg">{{ msg }}</div>
            <input type="text" name="username"
placeholder="Enter Your Username" id="username"
required></br></br>
            <input type="password" name="password"
placeholder="Enter Your Password" id="password"
required></br></br>

```

```

        </br>
        </br>
        <button type="submit" id="button"
class="btn btn-primary"> Login </button>
    </form>
</div>

    <div class="note mt-3 text-center"> <!--
Register form -->
    <p> Don't have an account yet? Click here to
<a href="register">register! </a> </p>
    </div>
</body>
</html>

```

Register.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>JOBPORTAL | LOGIN</title>
    <!-- favicon -->
    <!-- <link rel="shortcut icon"
href="/assets/img/favicon.ico" type="image/x-
icon"> -->
    <!-- <link rel="icon"
href="/assets/img/favicon.ico" type="image/x-
icon"> -->

```

```
<link rel="icon" type="image/png"
sizes="16x16" href="/assets/img/favicon-
32x32.png">
<!-- bootstrap css cdn -->
<link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap
/4.5.2/css/bootstrap.min.css" integrity="sha384-
JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+
VmmDGMN5t9UJ0Z" crossorigin="anonymous">
<link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.css">
<!-- css stylesheet -->
<link rel="stylesheet"
href="css/style.css">
<!-- font styles cdn -->
<link rel="preconnect"
href="https://fonts.gstatic.com">
<link
href="https://fonts.googleapis.com/css2?family=Ale
greya&display=swap" rel="stylesheet">
<link
href="https://fonts.googleapis.com/css2?family=Ale
greya:wght@600&display=swap" rel="stylesheet">
</head>
<body>
<!-- bootstrap navbar -->
<div class="logo mt-3 text-center">
<a class="main-logo-img mt-5"
href="#">
<!-- <a class="navbar-brand"
href="index.html">JobPortal</a> -->
</a>
```



```
</body>
</html>
```

Static:

Style.css:

```
* {
    font-family: 'Alegreya', serif !important;
}

/* // Small devices (landscape phones, 576px and
up) */
@media (min-width: 576px) {

}
```

```
/* // Medium devices (tablets, 768px and up) */
@media (min-width: 768px) {

}
```

```
/* // Large devices (desktops, 992px and up) */
@media (min-width: 992px) {
    .navbar {
        padding-top:15px;
        padding-bottom:15px;
        background-color: white;
    }
    .navbar-brand{
        padding-left: 5px;
    }
    .navbar-nav {
        margin-left: 30px;
    }
    .nav-item {
```

```
        padding-left:5px;
    }
    .donate-sponsor{
        margin-right:10px;
    }
    #donate,#sponsor{
        margin:5px;
        padding: 5px 15px 5px 15px;
    }
    .homepage-header{
        background: url('../img/group.JPG');
        background-size: cover;
        background-position: center top;
        padding: 0;
        position: relative;
        width: 100%;
        overflow: hidden;
        display: -webkit-flex;
        display: -ms-flexbox;
        display: flex;
        height: 85vh;
    }
    .home-for-children {
        background-color: #ffeeba;
        margin-top:0px;
        padding-top:10px;
        padding-bottom:30px;
    }
    .home-for-children h2 {
        line-height: 2.5rem !important;
        letter-spacing: 3px;
        font-weight: 600;
    }
    .home-for-children h5 {
```



```
        line-height: 1.8rem;
    }
    .home-for-children .btn-success {
        padding: 8px 25px;
        font-size: large;
    }
    /* our focus */
    .our-focus .container {
        margin-top: 3rem !important;
    }
```

```
.our-focus .row{
    margin-top: 1.5rem !important;
}
.our-focus .card {
    border: none !important;
}
.our-focus #focus-first {
    margin-right: 80px;
}
.our-focus #focus-second {
    margin-right: 90px;
}
/* media */
.media .container{
    margin-top: 3rem !important;
}
.media .row{
    margin-top: 1.5rem !important;
}
/* footer */
.row-initiative {
    margin-top: 10px
}
```

```
.site-footer {
    margin-top:30px;
    line-height:24px;
}
.footer-links {
    padding-left:0;
    list-style: none;
}
.footer-links li {
    display: block;
}
.footer-links.inline li {
    display: inline-block;
}
.footer-links li a{
    color: black;
}
.footer-logo img{
    width: 100px;
}
.social-icons {
    text-align: right;
    margin-left:50px;
}
.social-icons li{
    list-style: none;
    display: inline-block;
}
.social-icons li a {
    border-radius: 50%;
    margin-left:10px;
}
input {
    padding:10px 20px;
```

```
    }  
    #button {  
        border:none;  
        padding:10px 20px;  
        border-radius:10px;  
        animation:pulse 3s infinite ease-out;  
    }  
}
```

```
/* // X-Large devices (large desktops, 1200px and  
up) */  
@media (min-width: 1200px) {  
    .navbar-brand{  
        padding-left: 10px;  
    }  
}
```

```
/* // XX-Large devices (larger desktops, 1400px  
and up) */  
@media (min-width: 1400px) {  
    .navbar-brand{  
        padding-left: 15px;  
    }  
}
```