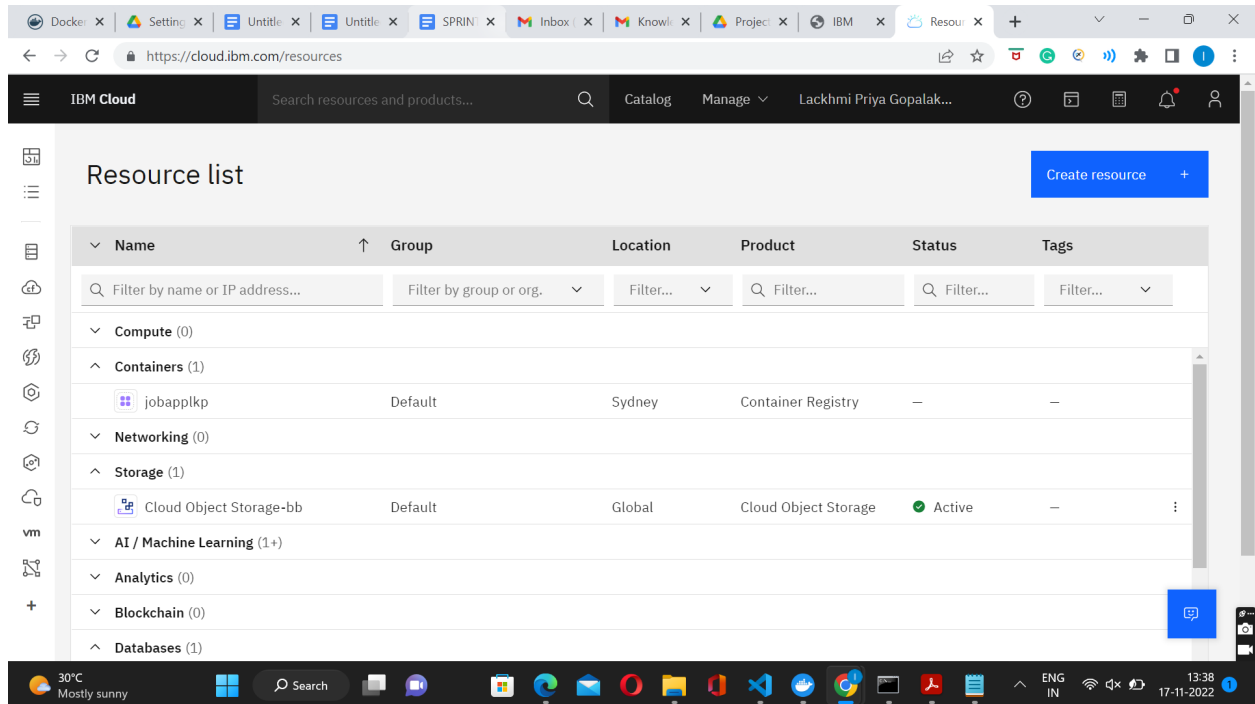


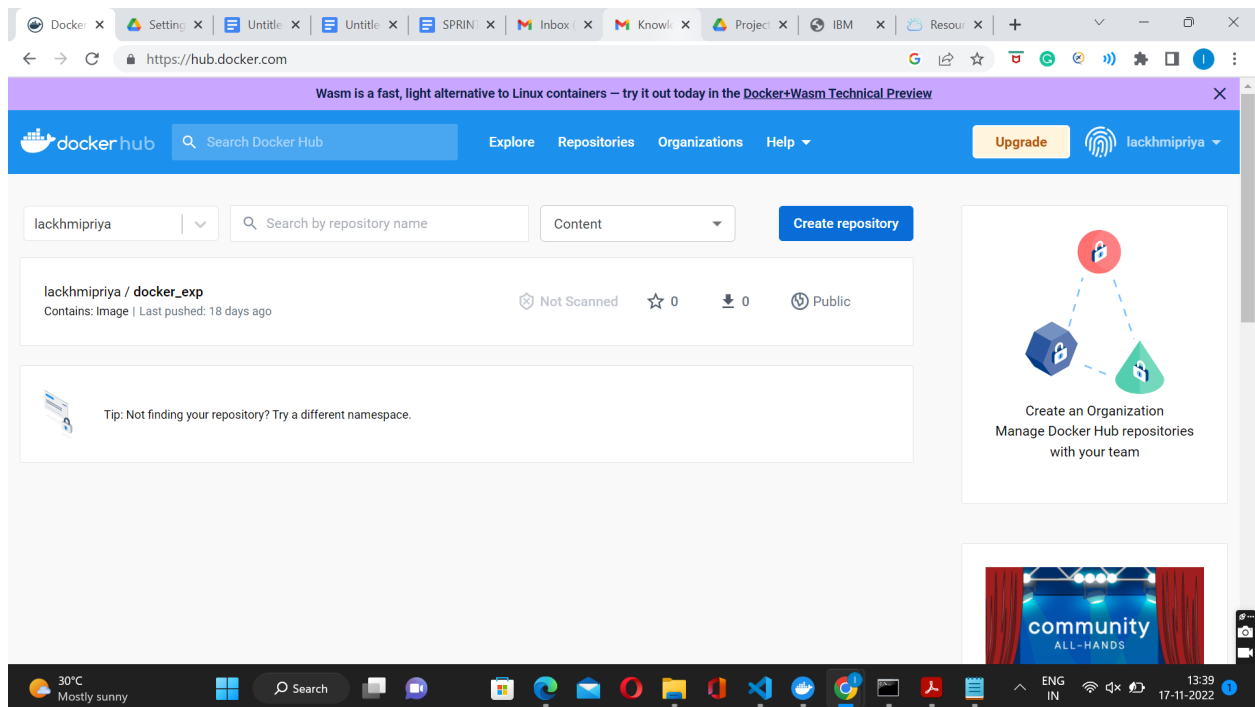
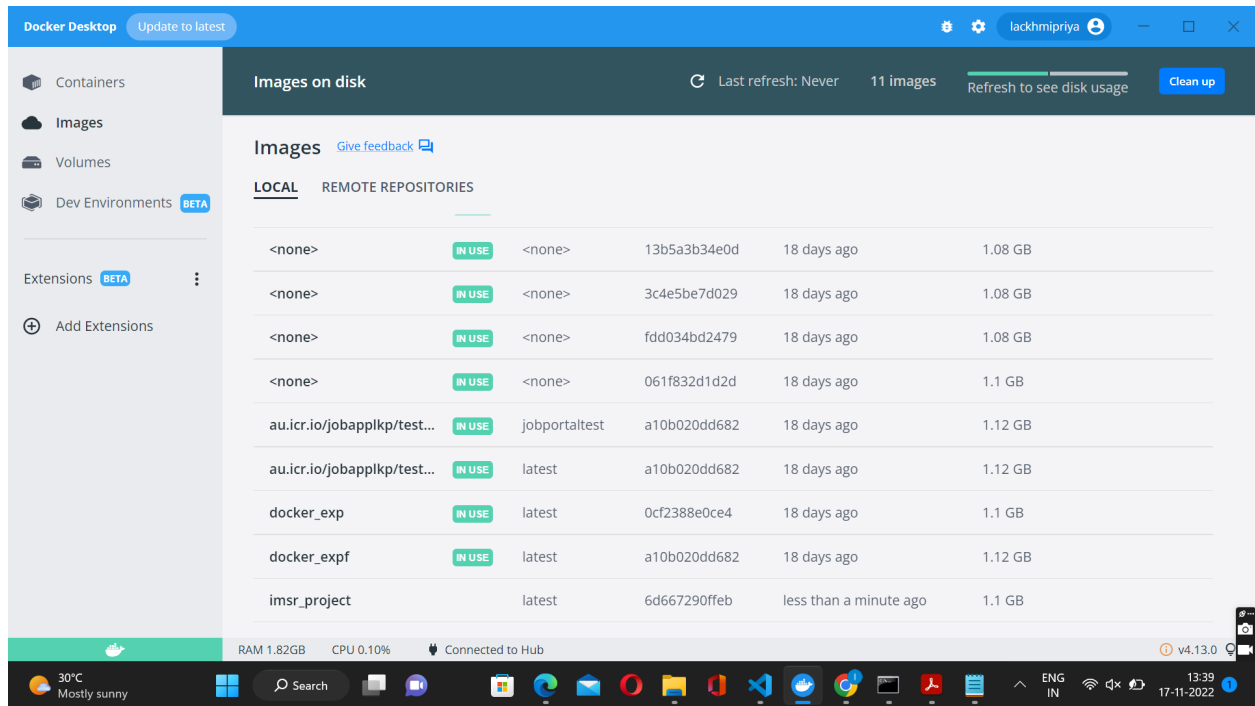
# SETTING UP ENVIRONMENT APPLICATION

Team ID	PNT2022TMID18119
Project Name	Inventory management system for retailer

## IBM CLOUD ACCOUNT



## DOCKER CLI INSTALLATION



```
Command Prompt

Usage: docker build [OPTIONS] PATH | URL | -

Build an image from a Dockerfile

C:\Users\lackh\OneDrive\Desktop\imsr_project>docker build -t imsr_project .
[+] Building 0.1s (2/2) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 28B
=> [internal] load .dockerignore
=> => transferring context: 28B
failed to solve with frontend dockerfile.v0: failed to read dockerfile: open /var/lib/docker/tmp/buildkit-mount3821532235/Dockerfile: no such file or directory

C:\Users\lackh\OneDrive\Desktop\imsr_project>docker build . -t imsr_project
[+] Building 253.7s (12/12) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring dockerfile: 262B
=> [internal] load .dockerignore
=> => transferring context: 28B
=> [internal] load metadata for docker.io/library/python:3.10.5
=> [auth] library/python:pull token for registry-1.docker.io
=> [internal] load build context
=> => transferring context: 332.41kB
=> CACHED [1/6] FROM docker.io/library/python:3.10.5@sha256:febf94b56ce1f20a29427ff697bccbc659952f0b99eb8f3ba8296b8e5146d91
=> [2/6] WORKDIR /imsr_project
=> [3/6] ADD . /imsr_project
=> [4/6] COPY requirements.txt /imsr_project
=> [5/6] RUN python3 -m pip install -r requirements.txt
=> [6/6] RUN python3 -m pip install ibm_db
=> exporting to image
=> => exporting layers
=> => writing image sha256:6d667290f25fe3a756121bbff72b40baa8d6b36eee7cd8b192f7be04eee1d
=> => naming to docker.io/library/imsr_project

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

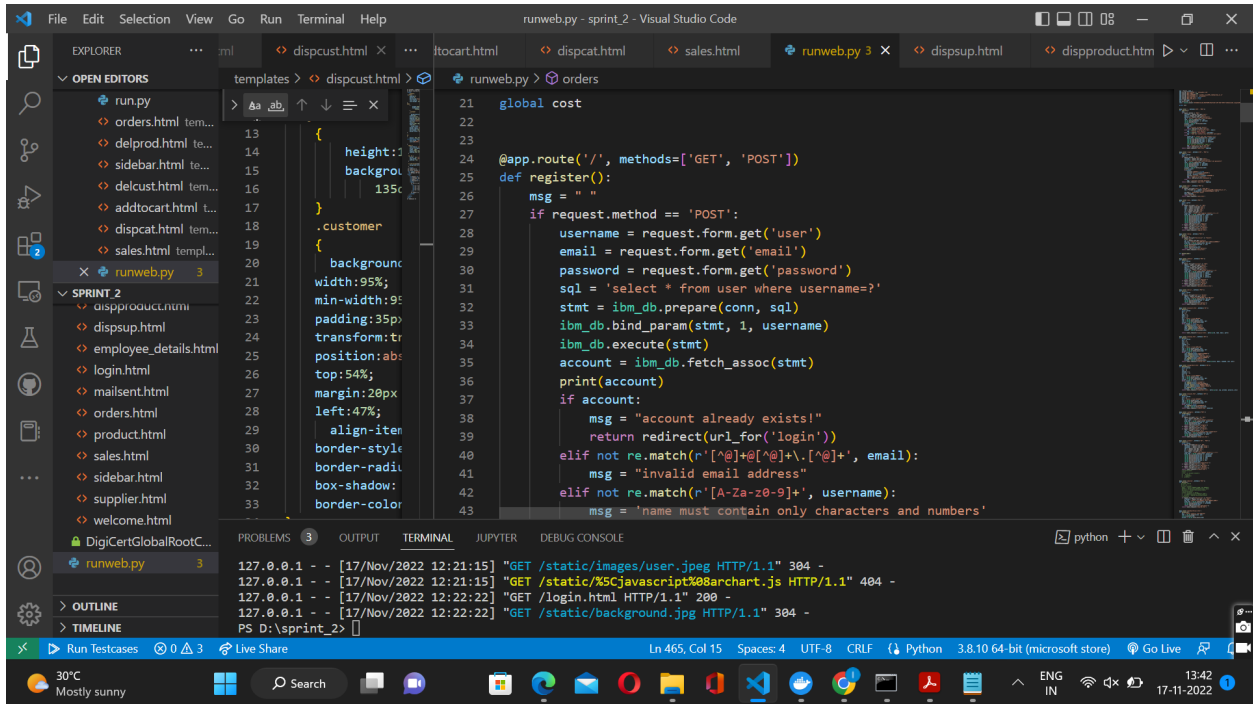
C:\Users\lackh\OneDrive\Desktop\imsr_project>
```

## CREATE FLASK PROJECT

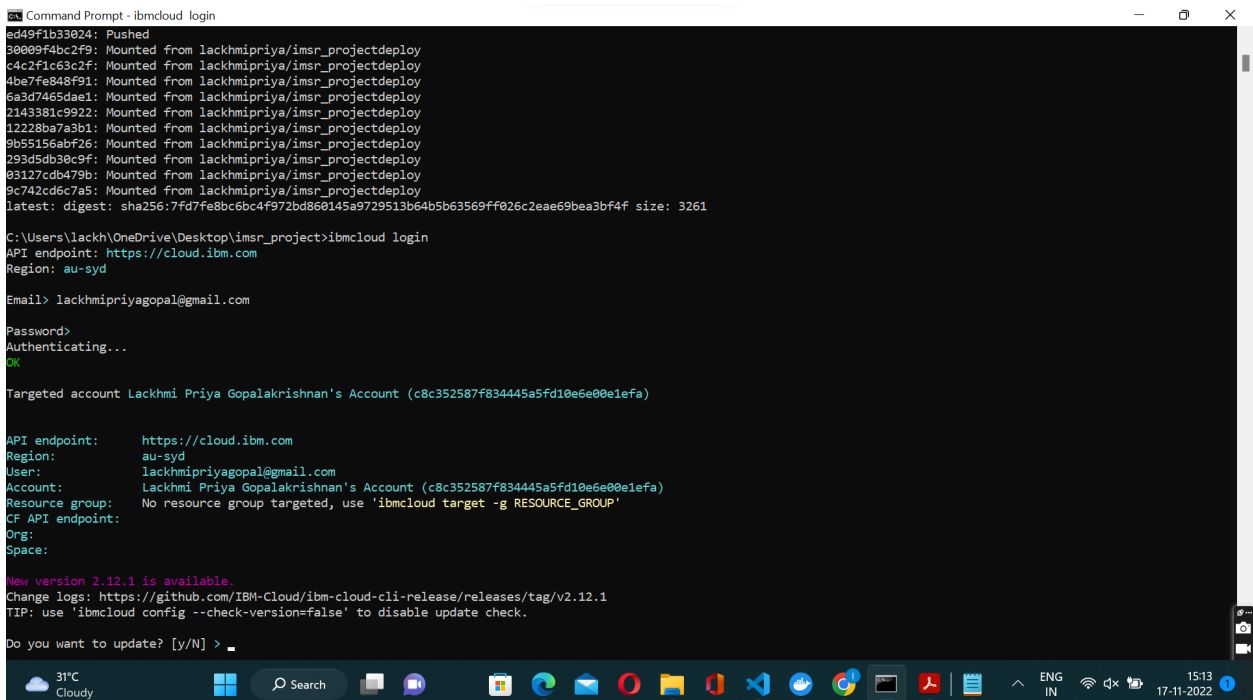
```
runweb.py - sprint_2 - Visual Studio Code

EXPLORER
  templates > dispcust.html >
  runweb.py > orders
    1 import email
    2 from flask import Flask, render_template, request, redirect, url_for, session
    3 from flask_mail import Mail, Message
    4 import os
    5 import ibm_db
    6 import re
    7 import datetime
    8
    9
   10 app = Flask(__name__)
   11 app.config['MAIL_SERVER'] = 'smtp.gmail.com'
   12 app.config['MAIL_PORT'] = 465
   13 app.config['MAIL_USERNAME'] = 'lackhmi.priya2001_ec@mepcoeng.ac.in'
   14 app.config['MAIL_PASSWORD'] = 'priya2112!'
   15 app.config['MAIL_USE_TLS'] = False
   16 app.config['MAIL_USE_SSL'] = True
   17 mail = Mail(app)
   18 app.secret_key = 'a'
   19 conn = ibm_db.connect('DATABASE=bludb;HOSTNAME=54a2f15b-5c0f-46df-8954-7e38e612c2bd.clogj3
   20
   21 global cost
   22
   23

PROBLEMS
  127.0.0.1 - - [17/Nov/2022 12:21:15] "GET /static/images/user.jpeg HTTP/1.1" 304 -
  127.0.0.1 - - [17/Nov/2022 12:21:15] "GET /static/%5Cjavascript%08archart.js HTTP/1.1" 404 -
  127.0.0.1 - - [17/Nov/2022 12:22:22] "GET /login.html HTTP/1.1" 200 -
  127.0.0.1 - - [17/Nov/2022 12:22:22] "GET /static/background.jpg HTTP/1.1" 304 -
```



## IBM CLOUD CLI



```
Command Prompt
C:\Users\lackh\OneDrive\Desktop\imrs_project>ibmcloud login
API endpoint: https://cloud.ibm.com
Region: au-syd

Email> lackhmipriyagopal@gmail.com

Password>
Authenticating...
OK

Targeted account Lackhmi Priya Gopalakrishnan's Account (c8c352587f834445a5fd10e6e00e1efa)

API endpoint: https://cloud.ibm.com
Region: au-syd
User: lackhmipriyagopal@gmail.com
Account: Lackhmi Priya Gopalakrishnan's Account (c8c352587f834445a5fd10e6e00e1efa)
Resource group: No resource group targeted, use 'ibmcloud target -g RESOURCE_GROUP'
CF API endpoint:
Org:
Space:

New version 2.12.1 is available.
Change logs: https://github.com/IBM-Cloud/ibm-cloud-cli-release/releases/tag/v2.12.1
TIP: use 'ibmcloud config --check-version=false' to disable update check.

Do you want to update? [y/N] > N

C:\Users\lackh\OneDrive\Desktop\imrs_project>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% 4s
28168192 bytes downloaded
Installing binary...
OK
Plug-in 'container-service 1.0.459' was successfully installed into C:\Users\lackh\bluemix\plugins\container-service. Use 'ibmcloud plugin show container-service' to show
its details.

C:\Users\lackh\OneDrive\Desktop\imrs_project>
```

## Set region for container registry

```
Command Prompt
API endpoint: https://cloud.ibm.com
Region: au-syd

Email> lackhmipriyagopal@gmail.com

Password>
Authenticating...
OK

Targeted account Lackhmi Priya Gopalakrishnan's Account (c8c352587f834445a5fd10e6e00e1efa)

API endpoint: https://cloud.ibm.com
Region: au-syd
User: lackhmipriyagopal@gmail.com
Account: Lackhmi Priya Gopalakrishnan's Account (c8c352587f834445a5fd10e6e00e1efa)
Resource group: No resource group targeted, use 'ibmcloud target -g RESOURCE_GROUP'
CF API endpoint:
Org:
Space:

New version 2.12.1 is available.
Change logs: https://github.com/IBM-Cloud/ibm-cloud-cli-release/releases/tag/v2.12.1
TIP: use 'ibmcloud config --check-version=false' to disable update check.

Do you want to update? [y/N] > N

C:\Users\lackh\OneDrive\Desktop\imrs_project>docker login
Authenticating with existing credentials...
Login Succeeded

Logging in with your password grants your terminal complete access to your account.
For better security, log in with a limited-privilege personal access token. Learn more at https://docs.docker.com/go/access-tokens/

C:\Users\lackh\OneDrive\Desktop\imrs_project>ibmcloud cr region-set ap-south
The region is set to 'ap-south', the registry is 'au.icr.io'.

OK

C:\Users\lackh\OneDrive\Desktop\imrs_project>
```

## 4) Log your local Docker daemon into the IBM Cloud Container Registry.

```

New version 2.12.1 is available.
Change logs: https://github.com/IBM-Cloud/ibm-cloud-cli-release/releases/tag/v2.12.1
TIP: use 'ibmcloud config --check-version=false' to disable update check.

Do you want to update? [y/N] > N

C:\Users\lackh\OneDrive\Desktop\imsr_project>docker login
Authenticating with existing credentials...
Login Succeeded

Logging in with your password grants your terminal complete access to your account.
For better security, log in with a limited-privilege personal access token. Learn more at https://docs.docker.com/go/access-tokens/

C:\Users\lackh\OneDrive\Desktop\imsr_project>ibmcloud cr region-set ap-south
The region is set to 'ap-south', the registry is 'au.icr.io'.

OK

C:\Users\lackh\OneDrive\Desktop\imsr_project>ibmcloud cr login
Logging 'docker' in to 'au.icr.io'...
Logged in to 'au.icr.io'.

OK

```

```

C:\Users\lackh\OneDrive\Desktop\imsr_project>ibmcloud cr region-set ap-south
The region is set to 'ap-south', the registry is 'au.icr.io'.

OK

C:\Users\lackh\OneDrive\Desktop\imsr_project>ibmcloud cr login
Logging 'docker' in to 'au.icr.io'...
Logged in to 'au.icr.io'.

OK

C:\Users\lackh\OneDrive\Desktop\imsr_project>docker tag imsr_project au.icr.io/imsrprojectmepco/imsrprojectrepo:imsrprojectmepco

C:\Users\lackh\OneDrive\Desktop\imsr_project>docker tag imsr_project au.icr.io/imsrprojectmepco/lackhmpriya:imsrprojectmepco

C:\Users\lackh\OneDrive\Desktop\imsr_project>/
 '/' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\lackh\OneDrive\Desktop\imsr_project>docker tag imsr_project au.icr.io/imsrprojectmepco/imsrprojectdeploy:imsrproject

C:\Users\lackh\OneDrive\Desktop\imsr_project>docker push au.icr.io/imsrprojectmepco/imsrprojectdeploy:imsrproject
The push refers to repository [au.icr.io/imsrprojectmepco/imsrprojectdeploy]
5335456bda1a: Pushed
e36bab1a302c: Pushed
2a25e8cb3b69: Pushed
ed49f1b33024: Pushed
38009f4bc2f9: Pushed
c4c2f1c63c2f: Pushed
4be7fe848f91: Pushed
6a3d7465dae1: Pushed
2143381c9922: Pushed
12228ba7a3b1: Pushed
9b55156abf26: Pushed
293d5db30c9f: Pushed
03127cdb479b: Pushed
9c742cd6c7a5: Pushed
imsrproject: digest: sha256:7fd7fe8bc6bc4f972bd860145a9729513b64b5b63569ff026c2eae69bea3bf4f size: 3261

C:\Users\lackh\OneDrive\Desktop\imsr_project>

```

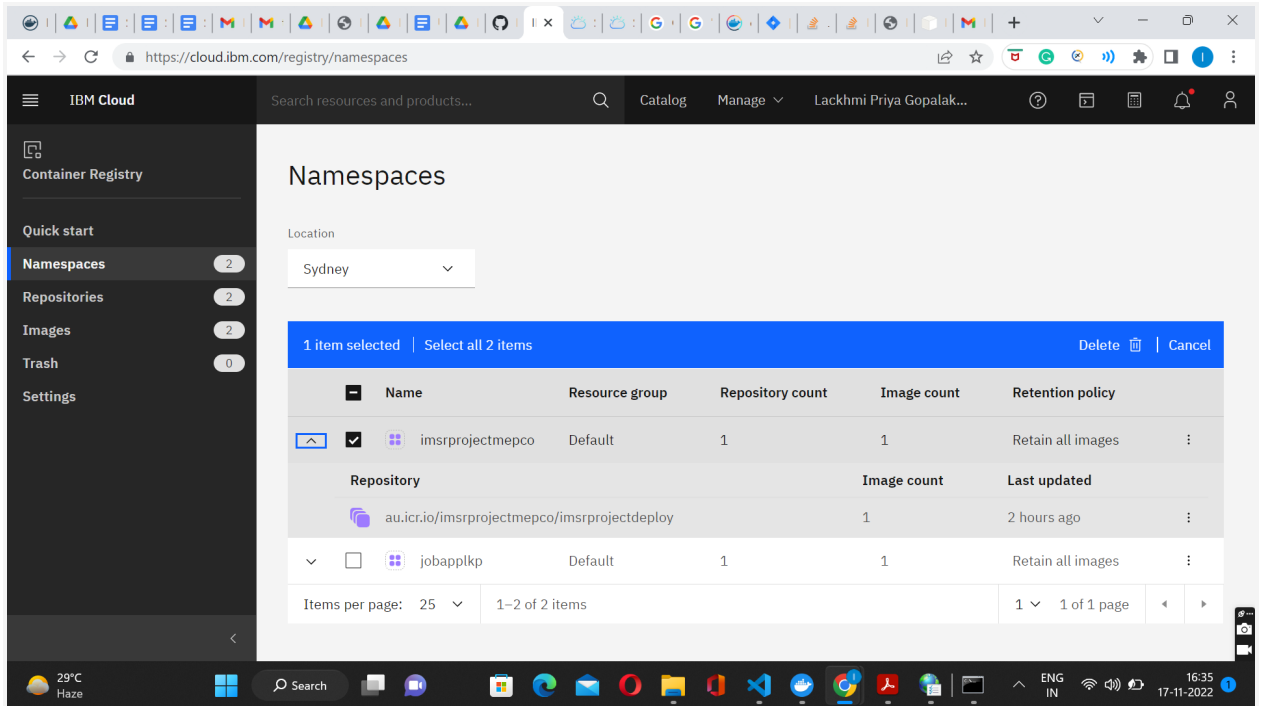
## 5. Verify that your image is in your private registry

```

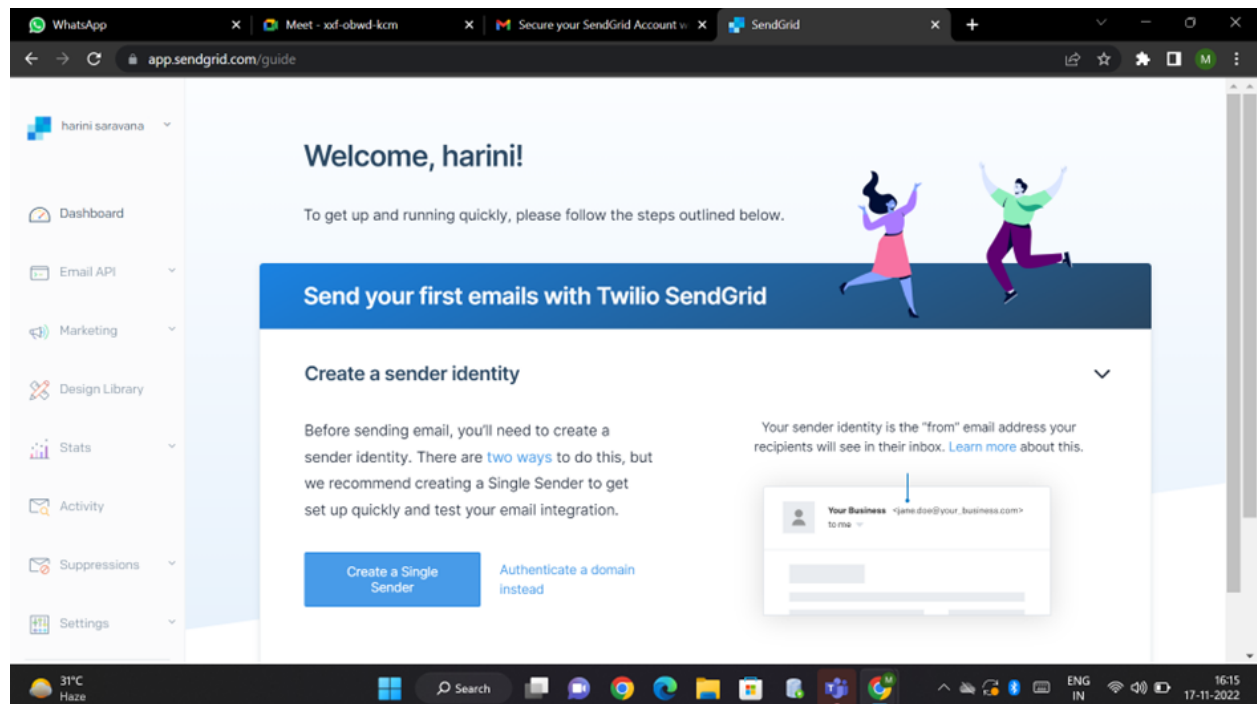
C:\Users\lackh\OneDrive\Desktop\imsr_project>ibmcloud cr image-list
Listing images...

Repository                                Tag                Digest              Namespace           Created    Size    Security status
au.icr.io/imsrprojectmepco/imsrprojectdeploy  imsrproject        7fd7fa8bc6bc        imsrprojectmepco   1 hour ago  443 MB  -
au.icr.io/jobapplk/testrepo                  jobportaltest      ae8079f651d8        jobapplk            2 weeks ago  449 MB  -

```



## CREATING A SEND GRID ACCOUNT



WhatsApp

Meet - xzf-obwd-kcm

Secure your SendGrid Account

SendGrid

app.sendgrid.com/guide

harini saravana

Dashboard

Email API

Marketing

Design Library

Stats

Activity

Suppressions

Settings

# Welcome, harini!

To get up and running quickly, please follow the steps outlined below.

## Send your first emails with Twilio SendGrid

### Create a sender identity

Before sending email, you'll need to create a sender identity. There are [two ways](#) to do this, but we recommend creating a Single Sender to get set up quickly and test your email integration.

[Create a Single Sender](#)

[Authenticate a domain instead](#)

Your sender identity is the "from" email address your recipients will see in their inbox. [Learn more](#) about this.

Your Business <jane.doe@your\_business.com>  
to me