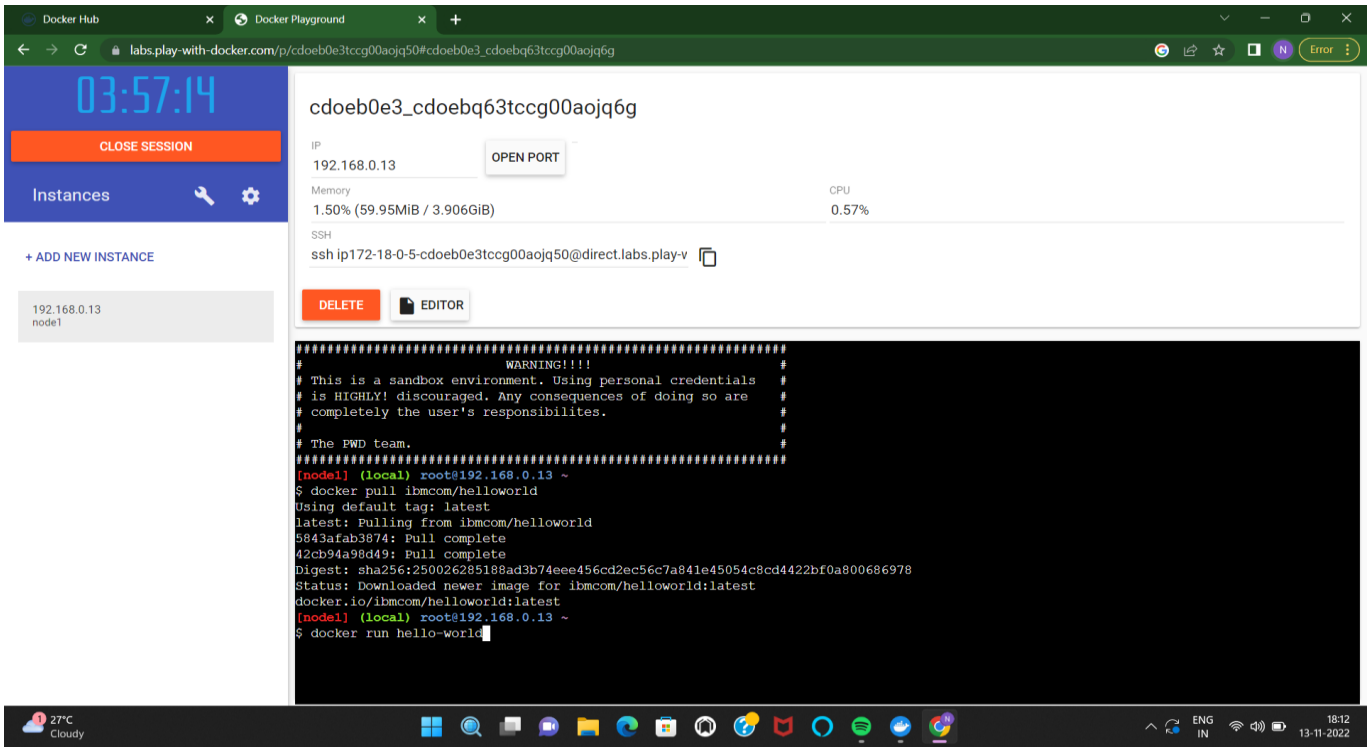
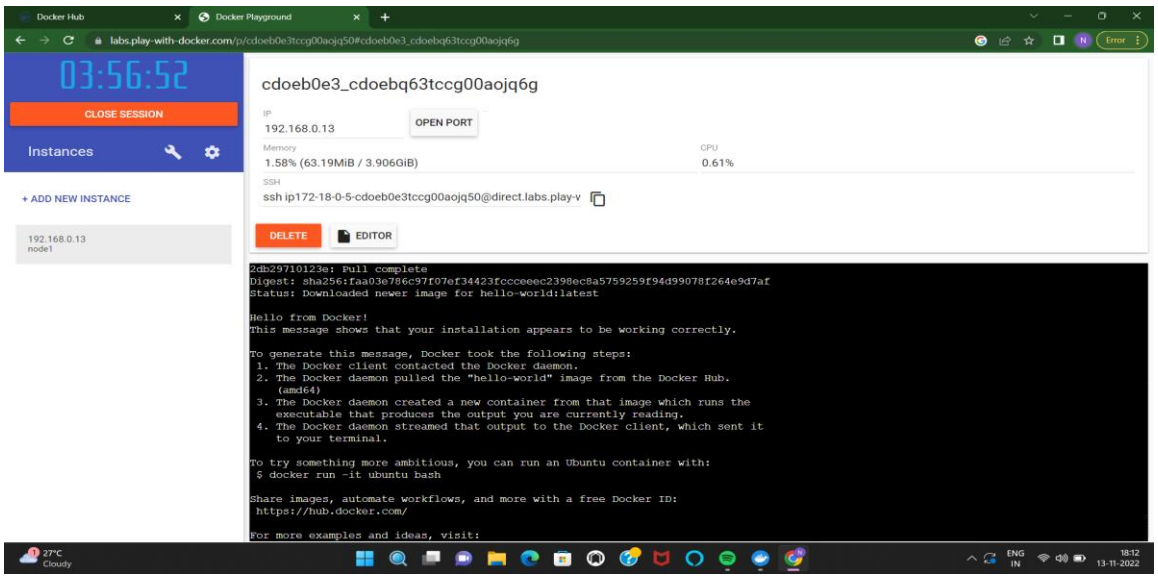
ASSIGNMENT 4

TEAM ID	PNT2022TMID07477
PROJECT NAME	NUTRITION ASSISTANT APPLICATION
TEAM LEADER	PALAGIRI SANA
TEAM MEMBERS	Vusthili Vimala M.S.Nandhini Vidarshana.S

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





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

```
FROM python:3.8-buster

WORKDIR /app

COPY requirements.txt /app/

RUN pip install -r requirements.txt

COPY . /app/

RUN cp .env.dev.sample .env

EXPOSE 8000

RUN chmod +x entrypoint.sh

CMD ["sh", "entrypoint.sh"]
```

FROM helloworld:latest

WORKDIR ~/Desktop/

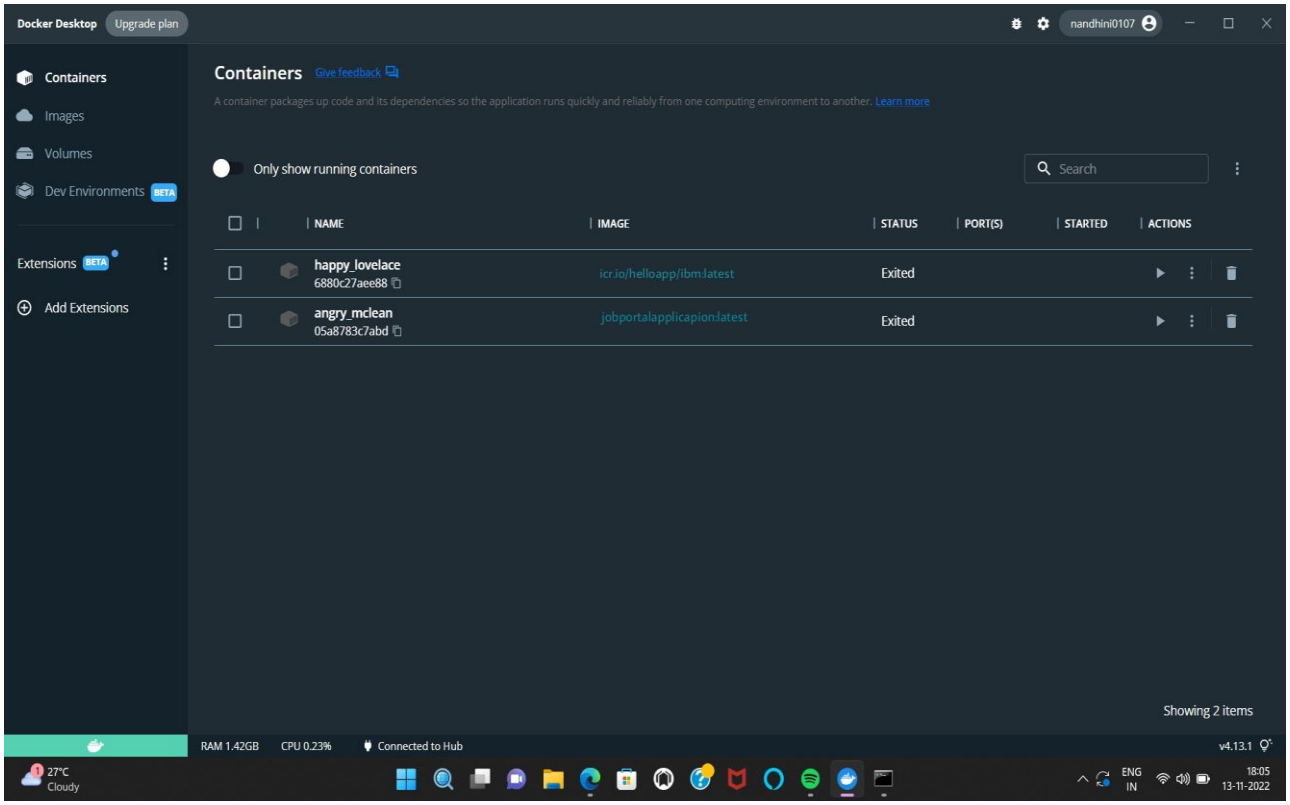
ADD . helloworld/

WORKDIR ~/Desktop/htmlfile

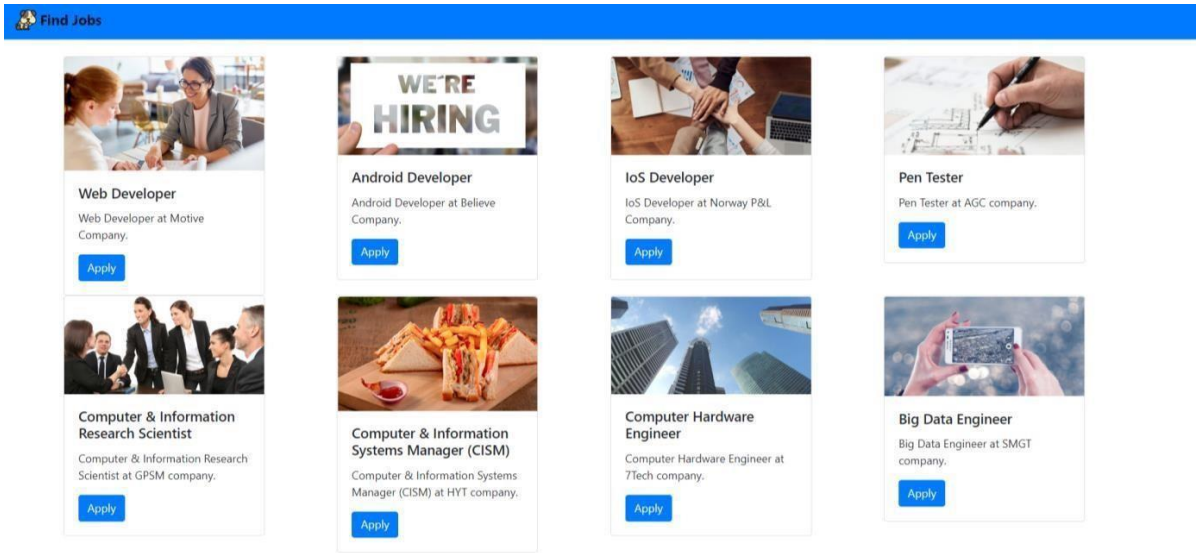
RUN pip install -r requirements

RUN chmod +x app.sh

CMD ["/bin/sh","app.sh"]


Docker Desktop
Upgrade plan
nandhini0107
Containers
Images
Volumes
Dev Environments
BETA
Extensions
BETA
Add Extensions
Containers
Give feedback
A container packages up code and its dependencies so the application runs quickly and reliably from one computing environment to another. Learn more
Only show running containers
Search
NAME
IMAGE
STATUS
PORT(S)
STARTED
ACTIONS
happy_lovelace
6880c27aee88
icr.io/helloapp/ibm:latest
Exited
angry_mclean
05a8783c7abd
jobportalapplicapion:latest
Exited
Showing 2 items
RAM 1.42GB
CPU 0.23%
Connected to Hub
v4.13.1
27°C
Cloudy
ENG
IN
18:05
13-11-2022

OUTPUT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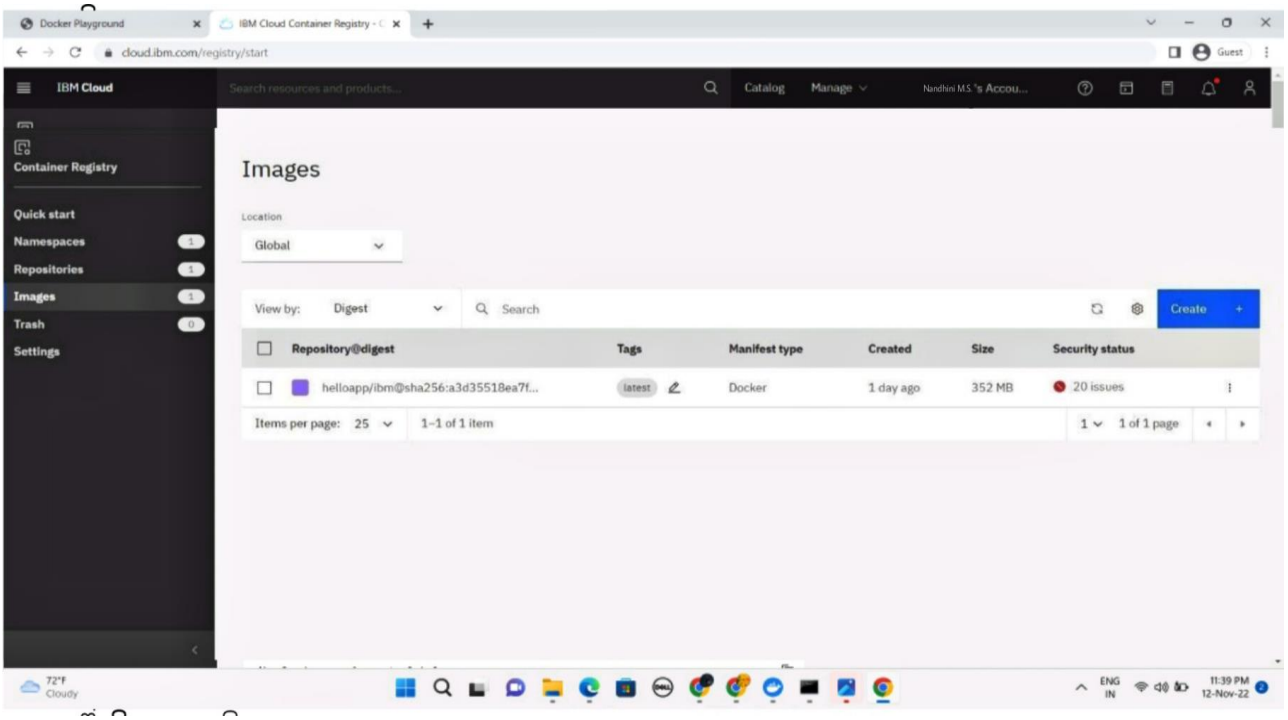
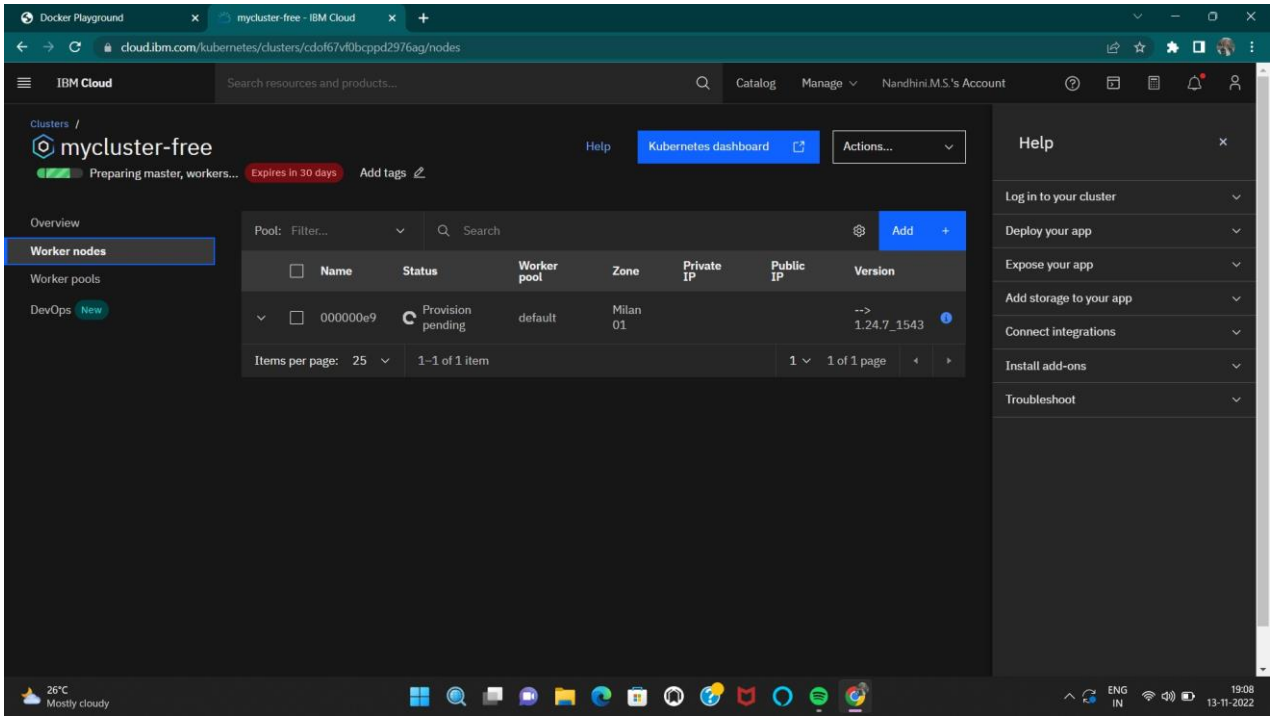
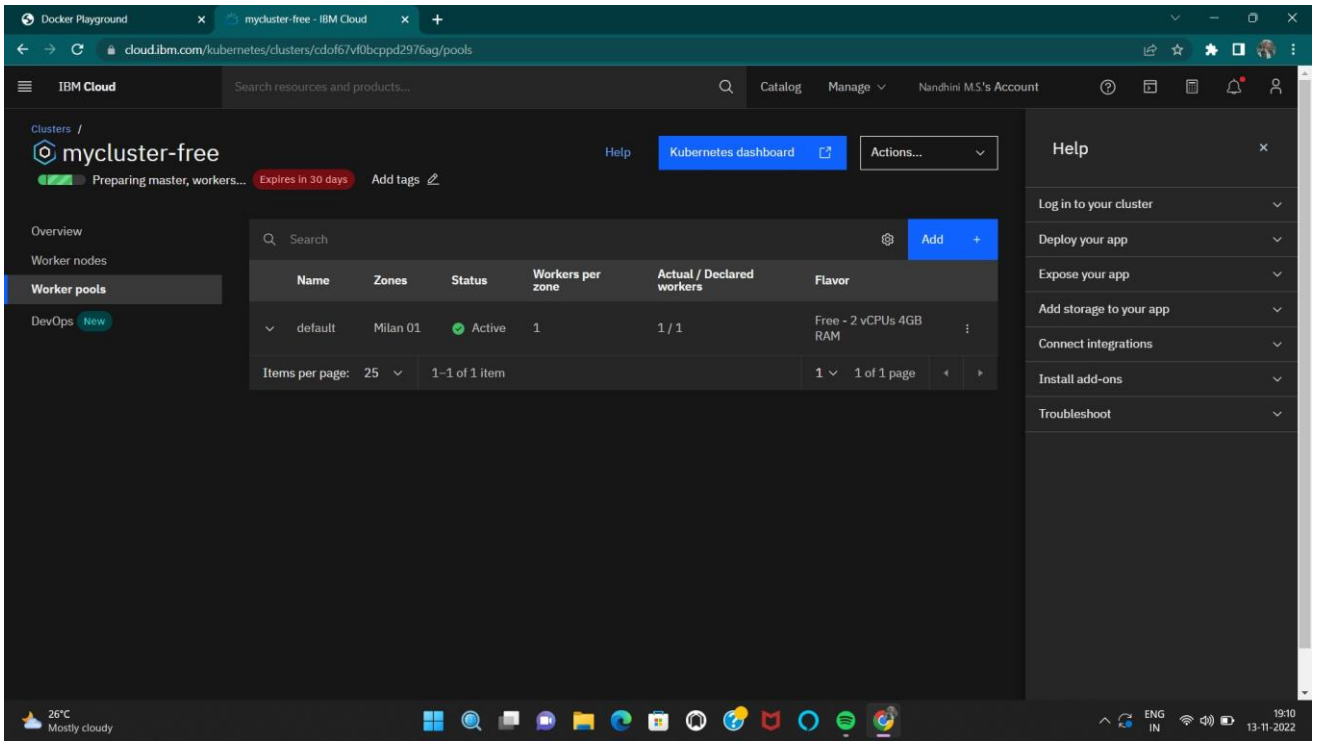
Apply

3. Create a IBM container registry and deploy hello world app or job portapp.

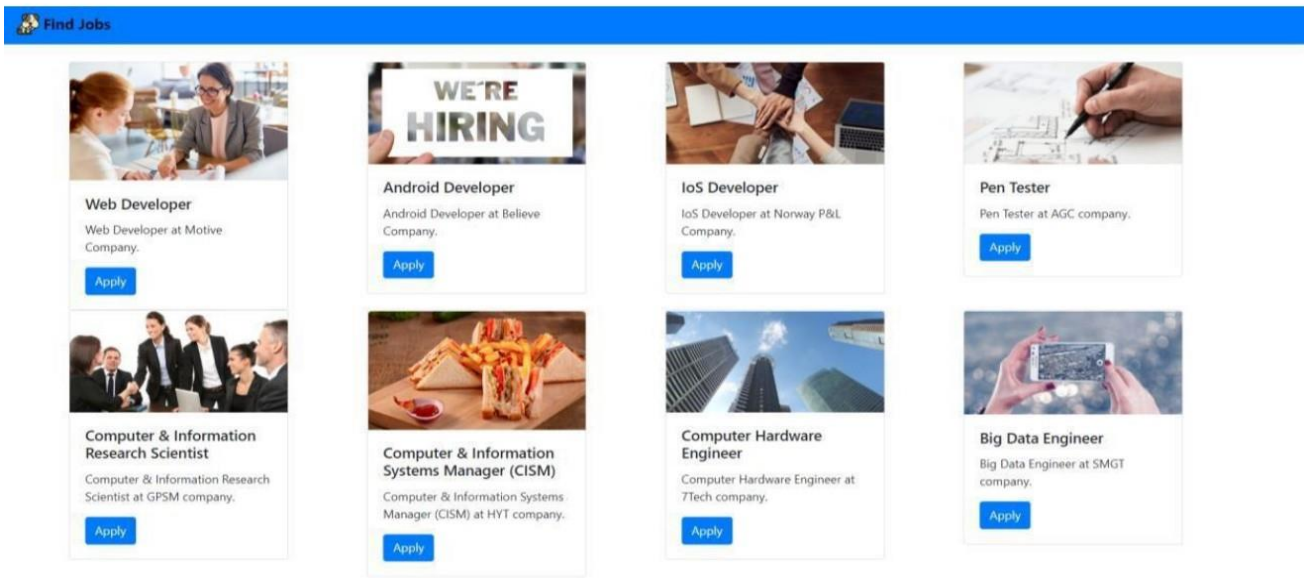


4. Create a Kubernetes cluster in IBM cloud and deploy helloworld image or jobportal image and also expose the same app to run in nodeport.




Docker Playground
mycluster-free - IBM Cloud
cloud.ibm.com/kubernetes/clusters/cdof67vf0bcppd2976ag/pools
IBM Cloud
Search resources and products...
Catalog
Manage
Nandhini M.S.'s Account
Clusters /
mycluster-free
Preparing master, workers...
Expires in 30 days
Add tags
Help
Kubernetes dashboard
Actions...
Overview
Worker nodes
Worker pools
DevOps
New
Search
Add
Name
Zones
Status
Workers per zone
Actual / Declared workers
Flavor
default
Milan 01
Active
1
1 / 1
Free - 2 vCPUs 4GB RAM
Items per page: 25
1–1 of 1 item
1 of 1 page
Help
Log in to your cluster
Deploy your app
Expose your app
Add storage to your app
Connect integrations
Install add-ons
Troubleshoot
26°C
Mostly cloudy
ENG
IN
19:10
13-11-2022

OUTPUT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