## ASSIGNMENT – 4

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# **STEPS TO BE FOLLOWED**

- 1. Install Docker Desktop
- 2. Install WSL and convert it to WSL-2 for docker to work
- 3. Go to the project directory
- 4. Create a file called as Dockerfile and add the contents below to the project folder

```
FROM ubuntu/apache2
FROM python

COPY ./requirements.txt /app/requirements.txt

WORKDIR /app

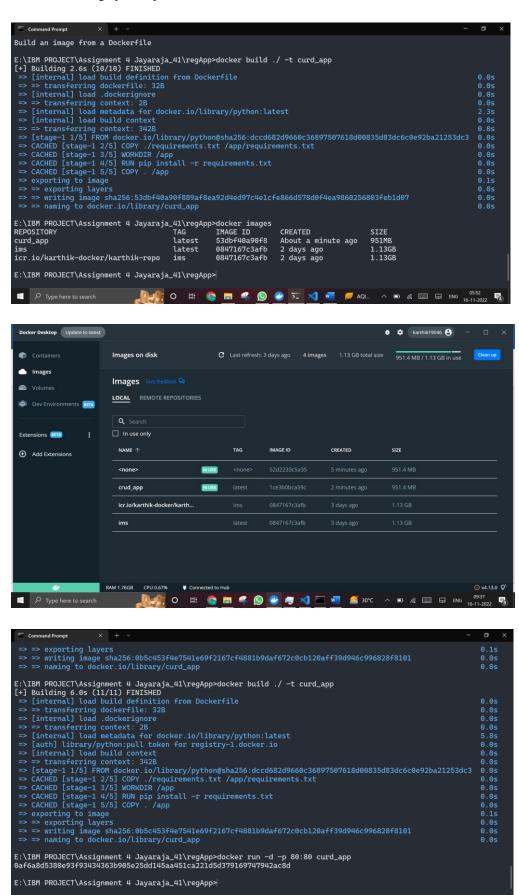
RUN pip install -r requirements.txt

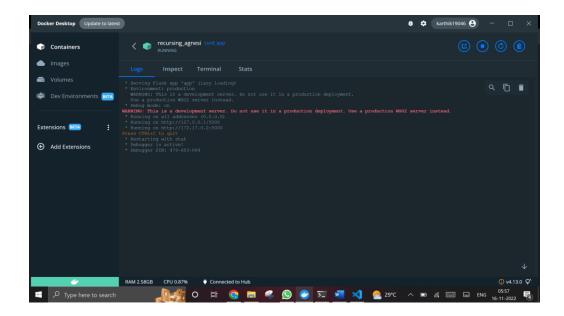
COPY . /app

ENTRYPOINT [ "python" ]

CMD ["app.py" ]
```

## 5. Create the image file as follows:





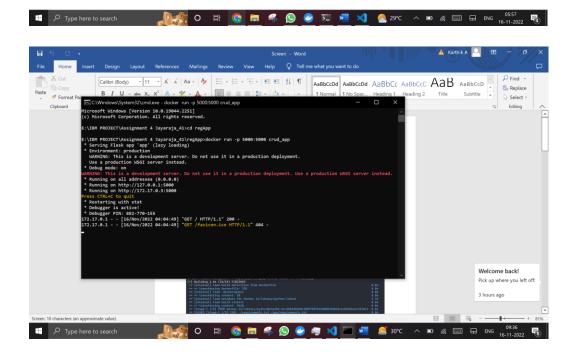


USERNAME

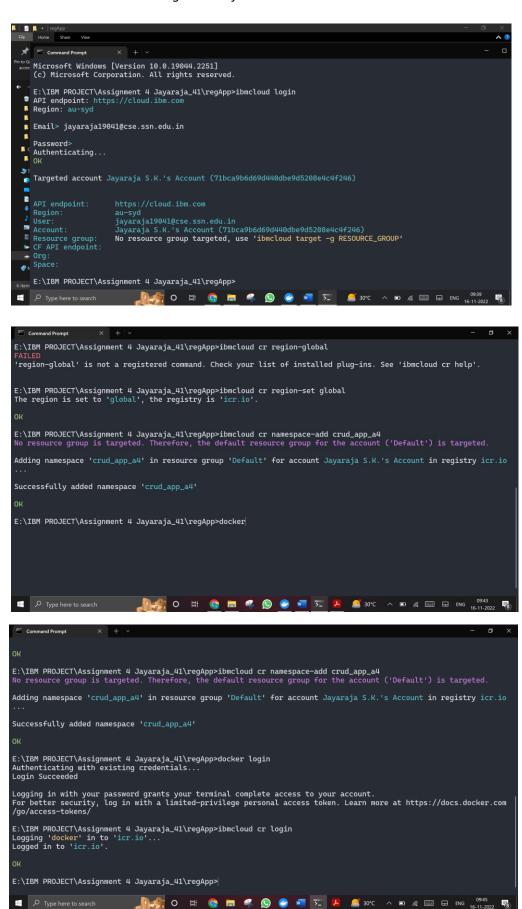
EMAIL

MOBILE NUMBER

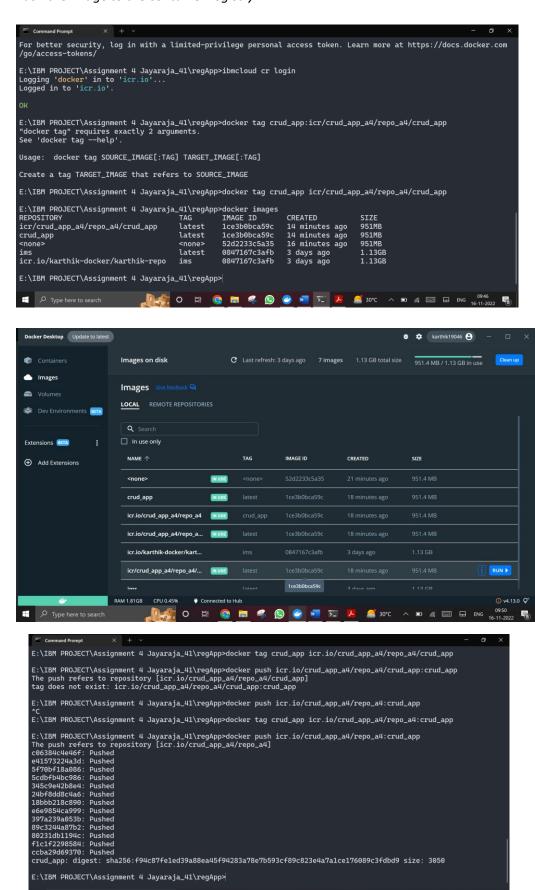
SUBMIT



### 6. Install IBM Cloud CLI and login into it from the CMD

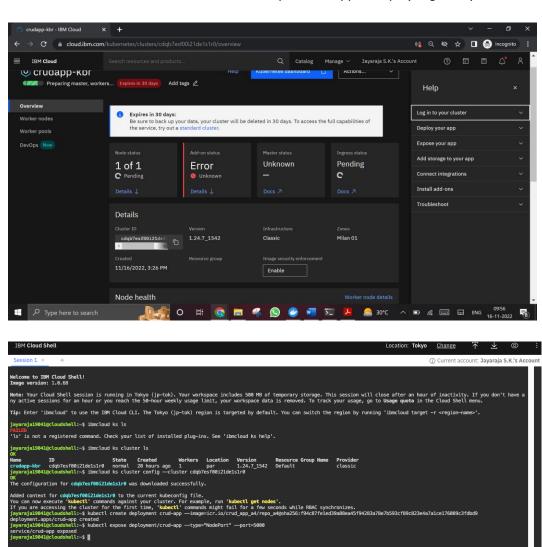


## 7. Push the image to the container registry



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8. Create a Kubernetes cluster in IBM Cloud and push the app to deploy it globally



Launchpad

