**Assignment -4**

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| Date | 26 October 2022 |
| Name | Parthasarathi S |
| Roll Number | CS19030 |
| Maximum Mark | 2 Marks |

**Question-**

**1:**

**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 Docker desktop application.**

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

**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.**

**HTML**

<!DOCTYPE html<!DOCTYPE html

<html lang="en">

<head>

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</html>

**Dockerfile**

FROM python:3.10.4

WORKDIR WORKDIR

COPY requirements.txt ./

RUN pip install RUN pip install RUN pip install

COPY . .

EXPOSE 5000

CMD ["python","./app.py"]

**PP**

from flask import Flask, render\_template, request, url\_for, flash, redirect

app = Flask(\_\_name\_\_)

app.config['SECRET\_KEY'] = 'df0331cefc6c2b9a5d0208a726a5d1c0fd37324feba25506'

@app.route('/')

def index():

if \_\_name\_\_ == '\_\_main\_\_':

COPY . .

EXPOSE 5000

CMD ["python","./app.py"]