Assignment -4
Kubernets
/Docker

Assignment Date	19 November 2022
Student Name	CHARULATHA S
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Maximum Marks	2 Marks

Question:

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

Solution:

```python
from flask import Flask, render_template, request,url_for, flash, redirect

app = Flask(_name_) app.config['SECRET_KEY'] =
'df0331cefc6c2b9a5d0208a726a5d1c0fd37324feba25506'

@app.route('/create/', methods=('GET', 'POST'))def create():
  if request.method == 'POST':
    title = request.form['title'] content = request.form['content']

    if not title:
      flash('Title is required!')elif not content:
      flash('Content is required!')else:
      messages.append({'title': title, 'content': content})name = "sneha"
      return redirect(url_for('index', messages=name ))return

  render_template('create.html')


messages = [{'title': 'Message from sarah','content': 'Hai sneha'},
      {'title': 'Message from sruthi ',
      'content': 'hai team'},{'title': 'Message from varshini ',
      'content': 'hai all, how you all doing'},{'title': 'Message from sahasra ',
       'content': 'I am doing good and I hope u all too'}]
```

```python
@app.route('/'
)def index():
    return
render_template('index.html',
messages=messages)


@app.route('/admin'
)def hello_admin():
  return 'Hello Admin'

@app.route('/guest/<guest>
')def hello_guest(guest):
  return 'Hello %s as Guest' % guest

@app.route('/user/<name>')
def hello_user(name):
  if name =='admin':
    return
  redirect(url_for('hello_admin')) else:
    return redirect(url_for('hello_guest',guest = name))

if__name_ == '__main_':
  app.run(host='0.0.0.0', port=5000,
  debug=True)
```