Assignment -4
Kubernets /Docker

Assignment Date	22 October 2022
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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 also expose 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 = "Tamil"
            return redirect(url_for('index', messages=name ))

    return render_template('create.html')


messages = [{'title': 'Message from kamal',
        'content': 'Hai Tamil'},
        {'title': 'Message from john ',
        'content': 'hai team'}
```

```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)
```