

Assignment - 4
Kubernetes/Docker

Assignment Date	11 November 2022
Student Name	Katari Lakshmipathi
Student Roll Number	110319104023
Maximum Marks	2 Marks

Question-1:

1.Working with Docker and Kubernetes and deploying as Nodeport.

APP.py

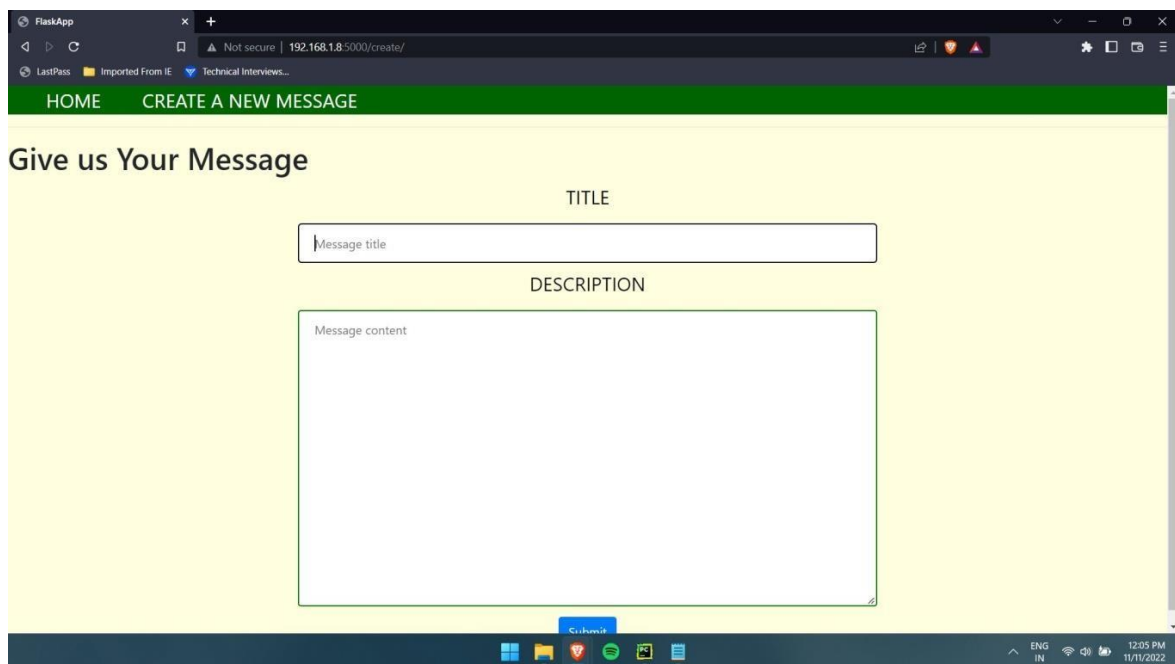
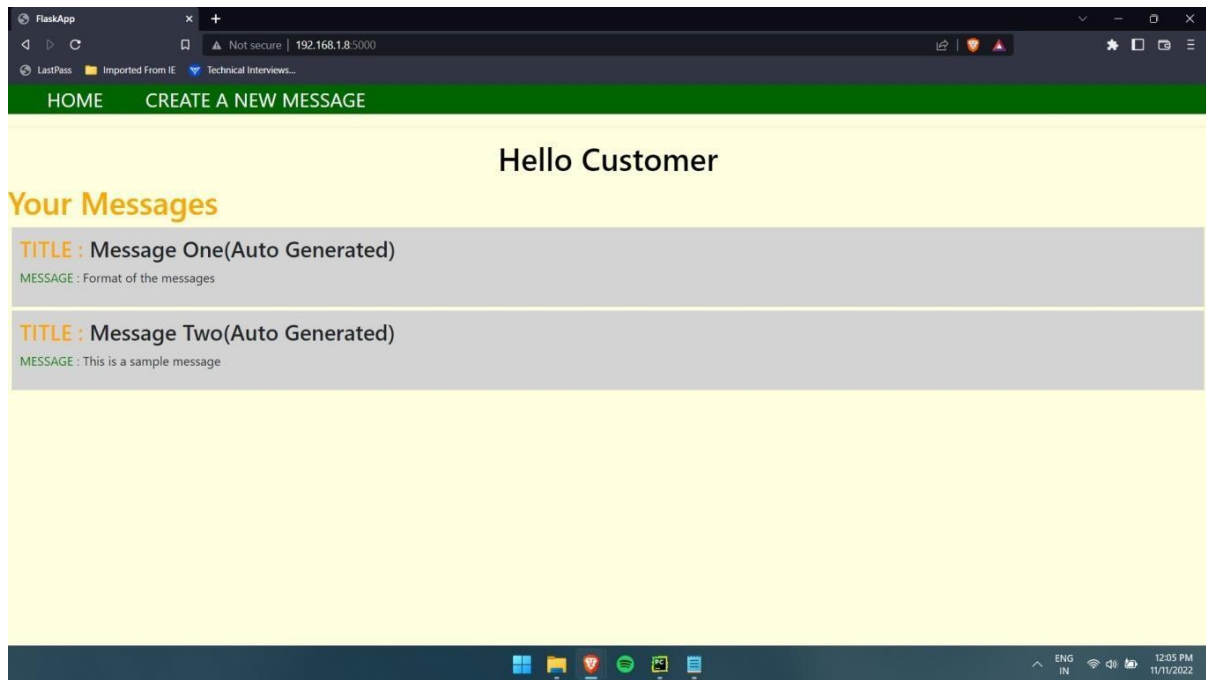
```
from flask import Flask, render_template, request, url_for, flash,
redirect app = Flask( name )
app.config['SECRET_KEY'] =
'df0331cefc6c2b9a5d0208a726a5d1c0fd37324feba25506'
@app.route('/create/', methods=('GET', 'POST'))
def create():
    if request.method ==
        'POST': title =
            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 = "Pravin Kumar"
                return redirect(url_for('index', messages=name ))
    return render_template('create.html')
messages = [{ 'title': 'Message One(Auto
    Generated)', 'content': 'Format of the
    messages'},
    { 'title': 'Message Two(Auto
    Generated)', 'content': 'This is a
    sample message'}
]
@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)
```

Output

:





Give us Your Message

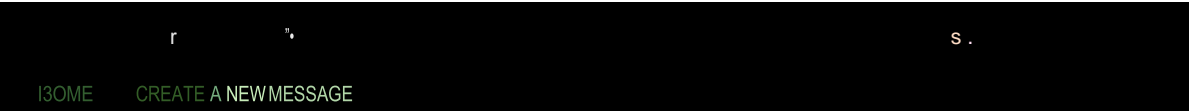
TITLE

My New Message

DESCRIPTION

This is my first message as a customer

Submit



Hello Customer

