Assignment -1
HTML Form

Assignment Date	19 September 2022
Student Name	HARISH B
Student Roll Number	820419104024
Maximum Marks	2 Marks

Question-1:

Create registration page in html with username, email and phone number and by using POST method display it in next html page.

App.py :

```
from flask import Flask, render_template, request, redirect, url_for, flash
 from flask_wtf import FlaskForm
from wtforms import StringField, PasswordField, SubmitField
from wtforms.validators import DataRequired, Email, EqualTo
app = Flask( name ) app.config['SECRET_KEY'] = 'mysecretkey'


 class RegistrationForm(FlaskForm):
 first_name = StringField('First Name', validators=[DataRequired()])
last_name = StringField('Last Name', validators=[DataRequired()])
email = StringField('Email', validators=[DataRequired(), Email()])
 phone = StringField('Phone', validators=[DataRequired()])
 password = PasswordField('Password', validators=[DataRequired()])
 submit = SubmitField('Submit')
 @app.route('/', methods=['GET', 'POST'])
def index():
 return render_template('index.html')
@app.route('/register', methods=['GET', 'POST'])
 def register():
 form = RegistrationForm()
 if form.validate_on_submit():
flash(f'Account created for {form.first_name.data} {form.last_name.data}!', 'success')
 return render_template('success.html', form=form)
```

```
 return render_template('success.html',
form=form) @app.route('/success',
methods=['GET', 'POST']) def success():
return render_template('success.html',
first_name=request.args.get('first_name'),
 last_name=request.args.get('last_name'),
email=request.args.get('email'),
 phone=request.args.get('phone'))
 if name == ' main ':
 app.run(debug=True)
```

Index.html:

```
<!DOCTYPE html>
 <html>
 <head>
 <title>Flask App</title>
 <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css” integrity="sha384-
JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+VmmDGMN5t9UJ0Z" cross
origin="anonymous">
 </head>
<body>
 <h1>Registration Page</h1>
<form action="/register" method="POST">
<label for="first_name">
First Name:
</label>
<input type="text" name="first_name" id="first_name"> <br>
 <label for="last_name">
Last Name:
</label>
 <input type="text" name="last_name" id="last_name"> <br>
 <label for="email">
```

Email:

</label>

<input type="text" name="email" id="email">

<label for="phone">

Phone:

</label>

<input type="text" name="phone" id="phone">

<label for="password">

Password:

</label>

<input type="password" name="password" id="password">

<input type="submit" value="Submit"> </form>

</body>

</html>

Success.html:

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta http-equiv="X-UA-Compatible" content="IE=edge">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Success</title>

<link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css "
integrity="sha384-JcKb8q3iqJ61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+VmmDGMN5t9UJ0Z"
crossorigin="anonymous">

</head>

<body>

<h1>Success</h1>

<h2>Thank you for submitting your information</h2>

<h3>Here is the information you submitted:</h3>

First Name: {{form.first_name}}

Last Name: {{form.last_name}}

Email: {{form.email}}

Phone: {{form.phone}}

</body>

</html>

Question 2:

Develop a flask program which should contain at least 5 packages used from pypi.org.

Program:

```
# Importing flask module in the project is mandatory
# An object of Flask class is our WSGI application.
From flask import Flask

# Flask constructor takes the name of
# current module (__name__) as argument.
app =Flask(__name__)
```

```
# The route() function of the Flask class is a decorator,
# which tells the application which URL should call
# the associated function.
@app.route('/')
# ‘/’ URL is bound with hello_world() function.
Def hello_world():
    return 'HelloWorld'

# main driver function
if__name__ =='__main__':

# run() method of Flask class runs the application
    # on the local development server.
    app.run()
```